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AN OPERATIONAL VERSION OF THE DEPOT PURCHASED EQUIPMENT MAINTEN--ETC(U)  
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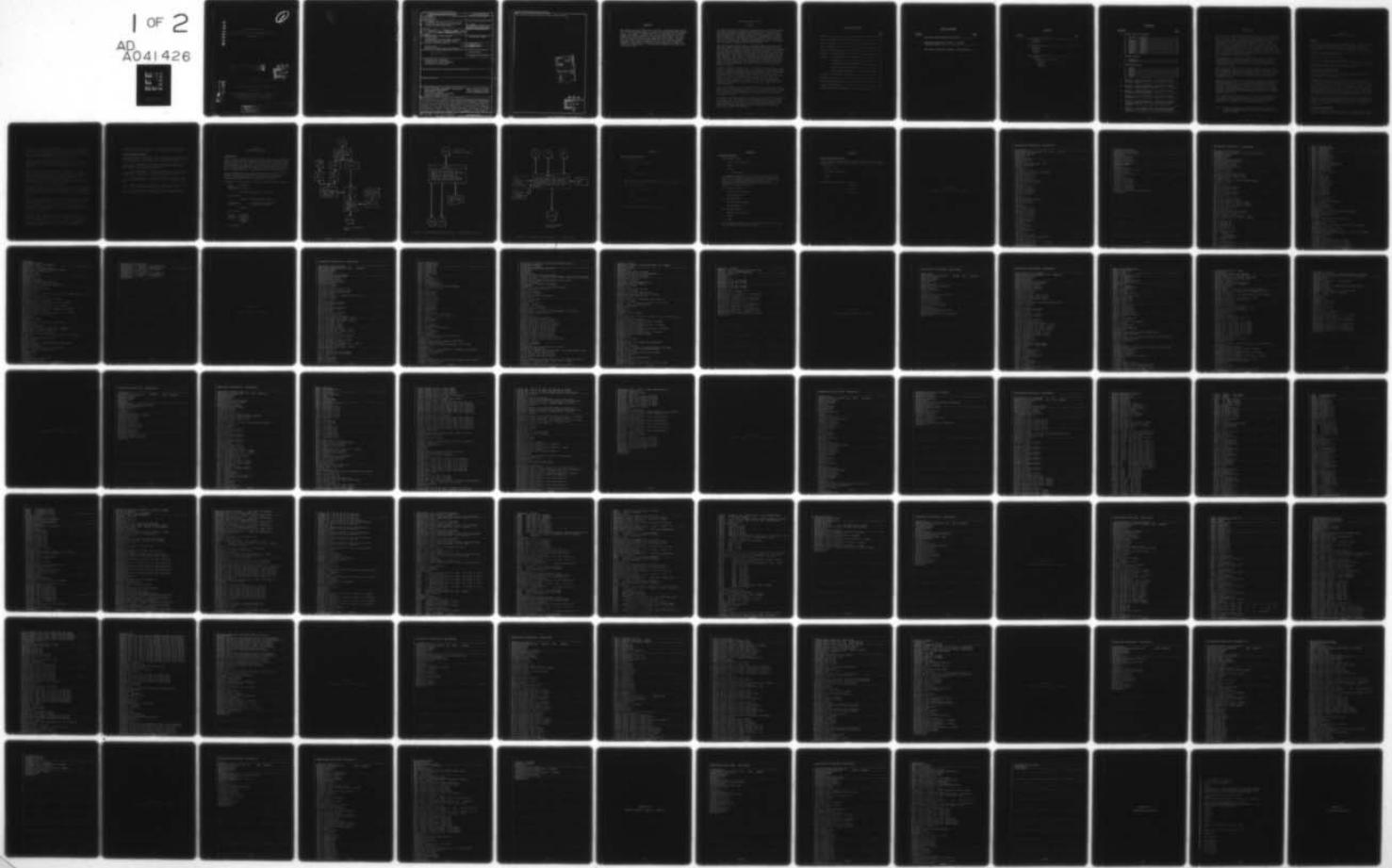
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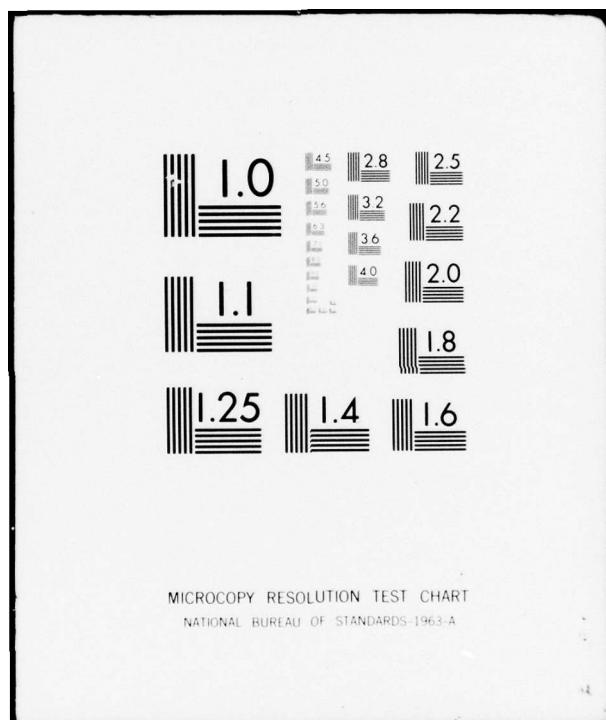
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AN OPERATIONAL VERSION  
OF THE DEPOT PURCHASED EQUIPMENT MAINTENANCE  
ALLOCATION MODEL

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A PERIODIC PUBLICATION

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BY

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AND

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JANUARY 1977

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) <b>The purpose of this study is to provide a narrative description of a cost allocation model for Depot Purchased Equipment Maintenance. The model is configured for the Honeywell 635 Computer supporting remote terminals and batch remote facilities via a Honeywell 115 operating in an open shop environment. Included are the computer programs and samples of the output products. Although this report is peculiar to the Air Force Logistics Command's Directorate of Materiel Requirements at WPAFB it is adaptable for other cost</b>		

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allocation areas and can be done rather easily.

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## ABSTRACT

The purpose of this study is to provide a narrative description of a cost allocation model for Depot Purchased Equipment Maintenance. The model is configured for the Honeywell 635 computer supporting remote terminals and batch remote facilities via a Honeywell 115 operating in an open shop environment. Included are the computer programs and samples of the output products. Although this report is peculiar to the Air Force Logistics Command's Directorate of Materiel Requirements at Wright-Patterson Air Force Base, it can easily be adapted for other cost allocation areas.

## DPEM ALLOCATION MODEL

### PREFACE

The identification of resource requirements to support the Depot Purchased Equipment Maintenance Program (DPEM) has previously been accomplished by showing only categories of weapon systems. Manual methods for achieving detailed requirements were considered economically unfeasible because of the manhours involved and the length of time needed for computation. The allocation model now provides AFLC command management visibility to a depth not previously available in the DPEM program.

The model enables management to establish broad standards that include, total budget available, desired distribution of available budget by customer, organic or contract, or element expenses, and the relative funding priority of weapon systems. The model applies these standards in the individual command validated AFLC requirements. The resulting products, in both detailed and summary form, are then used to determine the fiscal health of the DPEM program. The impact of the management decisions on individual weapon systems, or other areas of the standards identified above, is very apparent. The opportunity is then available to alter the test standards, recycle the model, and achieve more desired results.

To date, practical application of the model has been made in two areas. The model has been used to ascertain the command requirement with an FY 79 Program Objective Memorandum (POM) submission. FY 78 through 83 requirement were manipulated, with criteria tailored to the individual fiscal year. The resulting data was then used as the POM submission, with the product serving as finely detailed backup. To have accomplished this recently assigned task without the benefit of the model would have been extremely difficult at best, and no doubt would have commanded less confidence.

Second application is the current year (FY 77) where it is being utilized to identify the probable FY 77 closeout position. Ample time remains in the fiscal year to alter the program authorization, if deemed appropriate, and to achieve a more desirable closeout position.

In summary, the model provides visibility not previously available to HQ AFLC into the details of the annual program, and provide management the opportunity to more beneficially distribute the funds allocated to the DPEM program, minimize the impact of the relatively austere financing on the command and the USAF as applicable to the DPEM program.

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## CHAPTER 1 INTRODUCTION

The details of research methodology which led to the construction of a test model for Depot Purchased Equipment Maintenance funding have already been documented in Working Paper No. 82, dated February 1975, A Program Allocation Model for Depot Purchased Equipment Maintenance, Squadron Leader Graham C. Milborrow, RAF, Directorate of Systems Management, DCS/Plans and Programs, Headquarters, Air Force Logistics Command (See Note). This initial study tried to identify the implicit and explicit criteria being used by AFLC agencies in the DPEM process. Research following the analysis phase was aimed at removing some of the subjectivity in the funding process in favor of using mission essentiality criteria.

The operational version of the model uses little of this philosophy however, and, apart from the use of weapon system prioritizing, none of the envisioned changes are included (i.e., use of marginal analysis to compute exchangeable item budget inclusions).

The operational DPEM allocation model basically provides HQ AFLC management (LORER) with a computational facility. Using this, LORER can manipulate \$ funding levels, as well as changing percentages assigned to different levels in the funding hierarchy (i.e., Organic Maintenance work versus Contract Maintenance work).

Despite this departure from the original research philosophy, AFLC management has, in the operational model, the ability to sensitivity-test different monetary allocations and funding emphasis, and observe the totality of the results of these actions. Thus, although the model has become merely a deterministic computational resource, it does fulfill the apparent management need for a "macro-calculator" to be used in formulating fiscal policy.

This paper, explains the mechanics of the model together with the details of its input formats, filing arrangements and report writing capabilities. Following this, the details necessary for operation of the model are explained.

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## CHAPTER 2 CONSTRUCTION OF THE MODEL

### Outline

The model is organized in three sections: the Data Extraction Process, the Allocation Process, and the Report Generator Process. COBOL is used as the programming language throughout except for two FORTRAN time-sharing subroutines.

Examples for the three sections of the Models programming are given in Appendix A1 thru A10.

Appendix B, depict FORTRAN samples.

Data Files Content samples are listed in Appendix C1 thru C6.

Examples of the output report formats for the three sections of the Model are shown in Appendices D thru I.

### The Data Extraction Process

As Figure 1 shows, the data elements are extracted from the DPEM Data Bank and split into "common item" and "specific weapon system" applicabilities.

Programming focuses on the common items data at this stage. A "MISTR to MDS" tape containing Subprogram (Federal Stock Class/Materiel Management Code) and Model Design Series (MDS) data is input and used as a "look up" table. Both the MISTR tape and the common item file are first sorted by Logistics Subprogram Code (KS) and Fiscal Year (FY). The KS elements of the common item are made MDS peculiar. Both peculiar item data and that for the identified common items are then jointly sorted by MDS and WBS (Work Breakdown Structure Code).

At this point, a look up table is used to identify the actual weapon system for the MDS details. When this identification process is accomplished, the annotated data is written to a data file tape which is used as input for the Allocation Process.

### The Allocation Process

The first action of the model in the Allocation Phase is to produce a permfile of the \$ requirements submitted by ALCs, a

permfile of percentage fundings to be applied to each element of expense, and a management report reflecting initial ALC \$ requirements. The latter output is to help management determine whether any changes to the percentage requirement levels are needed prior to running the model. The routine MODTOT.S carries out these actions as outlined in Figure 2.

Changes can be made by the manager to both the percentage funding levels for each FEI, and the \$ allocation to each customer within a specified fiscal year via FORTRAN time-sharing programs. Details of these procedures are given in Chapter 3.

Figure 3 covers the main allocation process. The budget figures for each customer (input by management via a TSS terminal) are broken down into their lowest elements of expense (repair group categories). The program identifies these elements of expense to their respective hierarchies of applicability, i.e., customer, draw codes, work type (organic/contract), and RGC code. This ensures element can be tracked easily throughout the allocation process.

The allocation process deals separately with two prior funding conditions. If the funding is greater than the requirement, the allocation process proceeds directly using the \$ requirements reported by the ALCs to the DPEM Data Bank. If the funding level is less than the requirement, the following process is implemented.

Each element of expense (RGC) has already been assigned a priority of funding by HQ AFLC Materiel Management (MMRER letter, 3 February 1975 refers). This information is linked to certain set percentage funding levels and the program sets out this information in tabular form. Using this, the program calculates the \$ allocation for each element of expense (within O/C code, draw code, and CUS), and writes the allocated \$ total to a temporary file.

During the above process, the difference between the EEI \$ allocated by the priority rule and the EEI \$ allocated by percentage requirements input by TSS interface is calculated. If this difference is greater than \$5,000, a correction factor is then calculated, and applied to each \$ allocation (under the priority rule). This adjusts the priority rule percentage application to the \$ funding level available. The

results for this adjustment are then written to the allocated \$ tape for subsequent input to the Report Generator Process.

Report Generator Process

The third section of the model covers the output requirements as specified by HQ AFLC/LORER. Data elements are identified by the sub-headings. Fund reports are produced as follows:

1. DPEM Requirement - Allocation Summary by Model Design (Appendix D). This report gives the accumulated requirement and allocated dollars by Model Design.
2. DPEM Requirement - Allocation Summary by High \$ Burner Weapon System (Appendix E). Only pseudo codes with allocations in excess of \$500,000 are listed and summarized by ALC.
3. DPEM Requirement - Allocation Summary by Weapon System Priority (Appendix F). The data elements are listed by priority.
4. DPEM Requirement - Allocation Summary by Manager (Appendix G). The data elements listed are shown here by ALC.
5. DPEM Requirement - Summary by Customer, Organic/Contract, Draw Code, and Repair Group Category (Appendix H).

## CHAPTER 3 OPERATING PROCEDURES

### Introduction

Using the model requires the sequential running of two programs in the Data Extraction Process, two programs in the Allocation Process, and up to five programs in the Report Generator Process, depending on the needs of management. In addition, during the allocation process, there are two time-sharing interface routines (MODELPCP and MODELPCS) which allow management to set \$ budget levels and % funding requirements respectively.

To ease exposition of the running procedures, all inputs to a CREATE terminal, required of the operator, are shown as a series of annotated exhibits. These should be followed sequentially except where alternates are indicated.

In summary, the programs to be run in sequence are as follows:

```
Data      ( MODEXT.R
Extraction(
Process   ( MODWBS.R
          (
          ( MODMDS.S (Initiated by MODEXT.R)
```

See Exhibit 1

```
( MODTOT.R Initial report section.

Allocation(           MODELPCP) TSS Interface
Process   (           MODELPCS) programs.
          (
          ( MODALL.R
```

See Exhibit 2

```
Report    ( MODSUM.R
Generator ( MOD500.R
Process   ( MODPRI.R
          ( MODALC.R
          ( MODREQ.R
```

See Exhibit 3

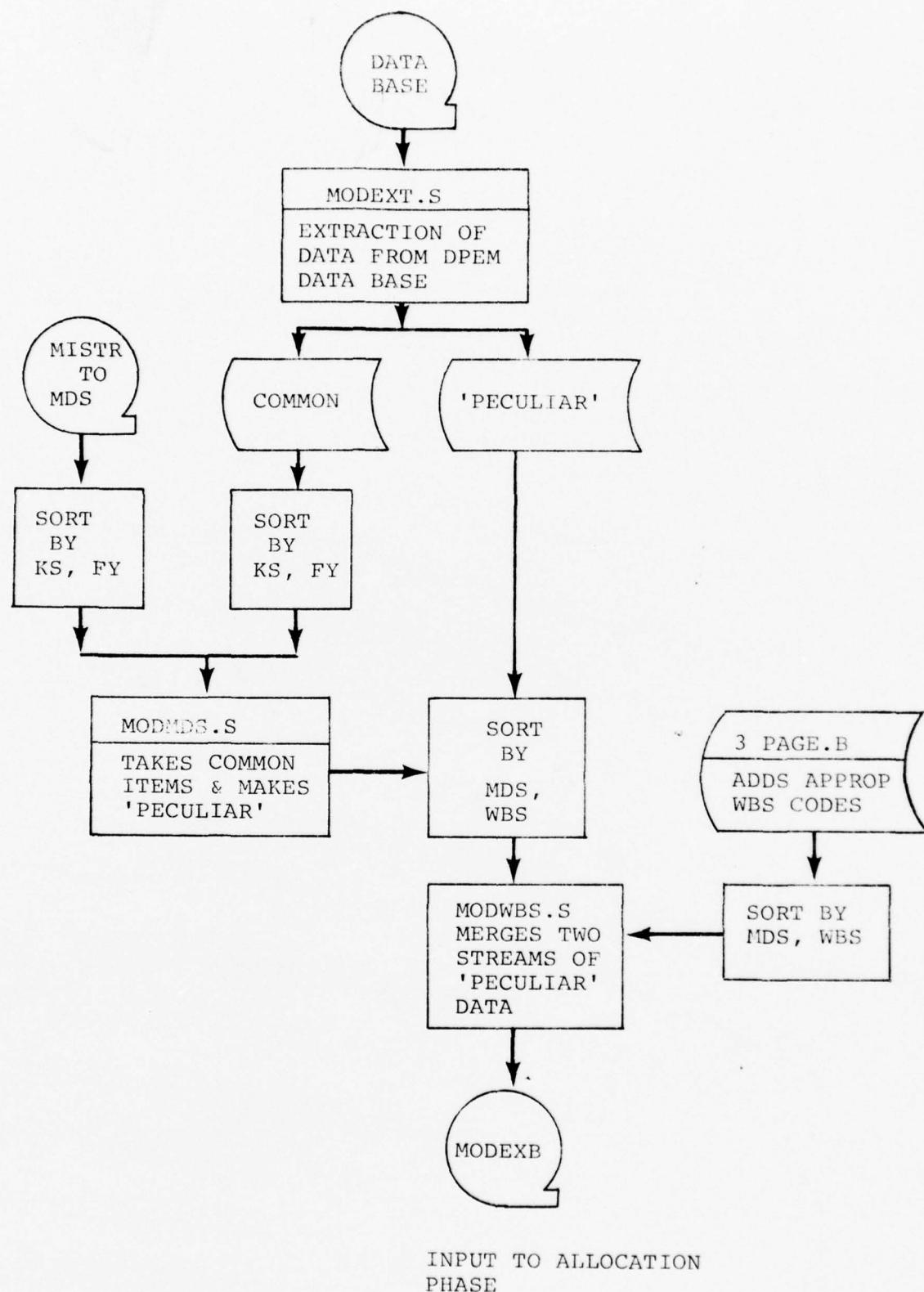


FIGURE 1 - DPEM MODEL DATA EXTRACTION PROCESS

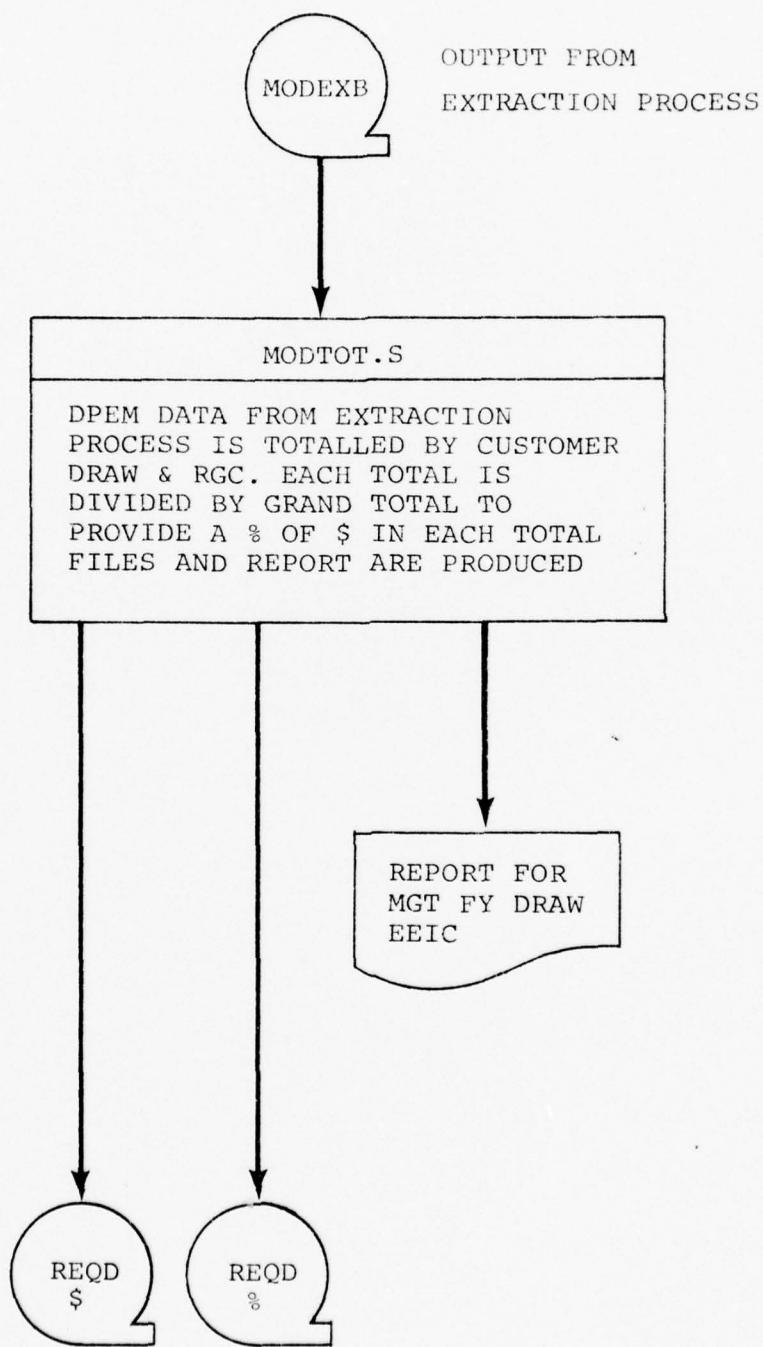


FIGURE 2 - DPEM MODEL ALLOCATION PROCESS - INITIAL REPORT SECTION

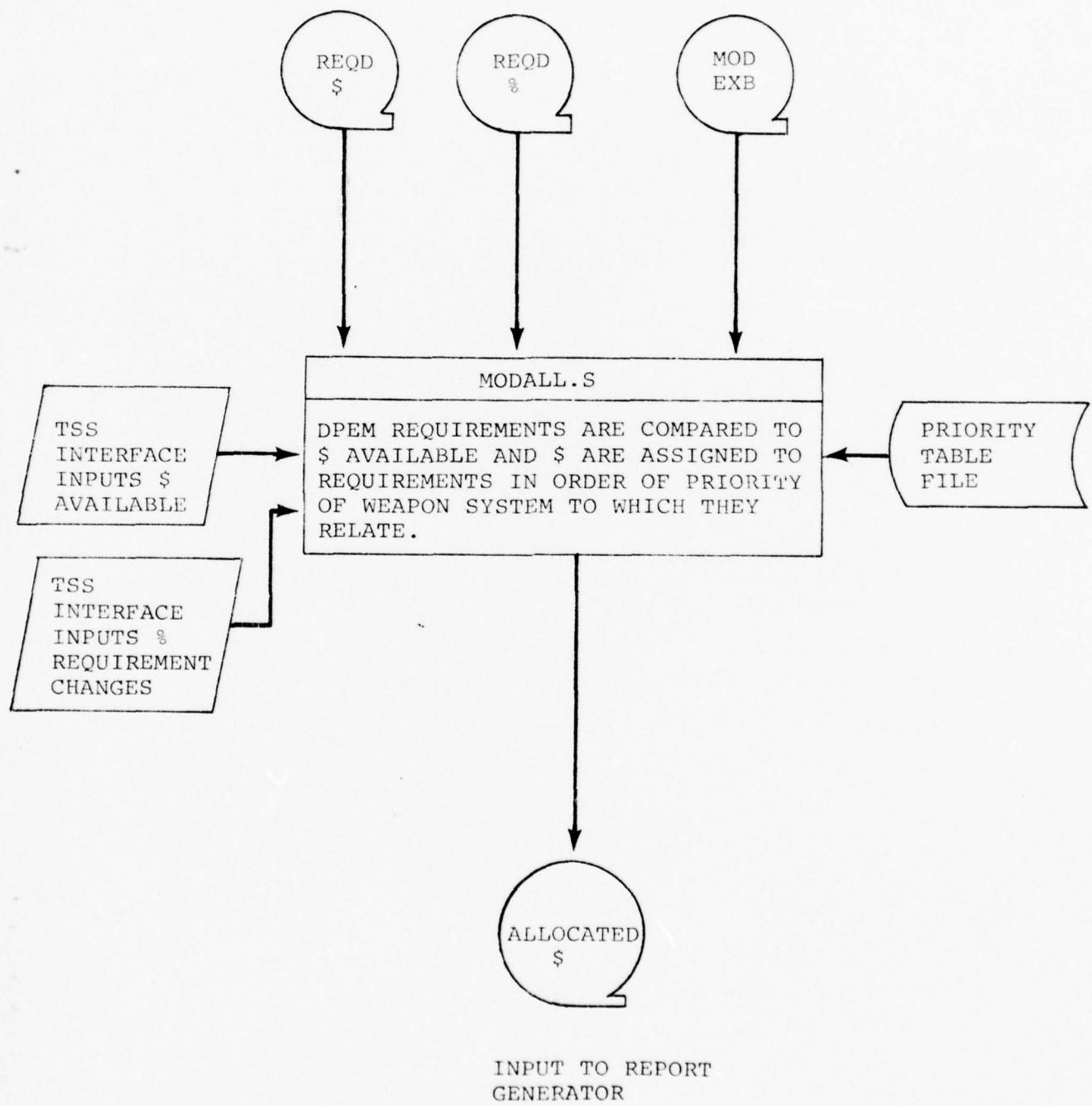


FIGURE 3 - DPEM MODEL ALLOCATION PROCESS - MAIN SECTION

EXHIBIT 1

Data Extraction Process

(a) SYSTEM ? CARD

OLD OR NEW O MODEXT.R

READY

\* RUN

SNUMB # C048T

\*

Diagnostic output can be obtained through the CREATE open  
shop 115 printer or the central site output center.

(b) SYSTEM ? CARD

OLD OR NEW O MODWBS.R

READY

\* RUN

SNUMB # H041T

\*

Diagnostic output produced as at (a) above.

EXHIBIT 2

Allocation Process

(a) SYSTEM ? CARD

OLD OR NEW O MODTOT.R

READY

\* RUN

SNUMB D025t

A diagnostic output can be obtained through the CREATE Open Shop. As well as this, an initial report is produced. This enables management to see the DPEM requirement as it exists before any modification of the requirement or allocated budget has been decided. An example is given at Appendix I.

(b) SYSTEM ? FORT

OLD OR NEW O MODELPCT.

See Appendix B.1

(c) SYSTEM ? FORT

OLD OR NEW O MODELPCS

See Appendix B.2

(d) SYSTEM ? CARD

OLD OR NEW O MODALL.R

READY

\* RUN

All diagnostic output can be obtained through CREATE open shop or central site output control.

EXHIBIT 3

Report Generator Process

The following report generator program can be run as desired. Copies of these management reports are included at Appendixes D through I.

SYSTEM ? CARD

OLD OR NEW O MODSUM.R

READY

\* RUN

Alternatively Substitute O MOD500.R

O MODPRI.R

O MODALC.R

O MODREQ.R

APPENDIX A.1

PROGRAM LISTING - MODEXT.R - MODEXT.S

CATALOG/FILE DESCRIPTION= RCS/MODEXT.R

```
010:#N,R(AC)
020$:IDENT:WP0955,LOSER(81) CJW 72751 MODEXT.R
030$:LIMITS:15,,,9K
040$:GMAP:NDECK
050:600SM
060:SORT:FCB,,12
070:FIELD:(C4,C2)
075:SEQ:(A2)
080:PICK:SELECT,(2),(=6H    76)
090:FILCB:FCB,**,2
100:END
110$:EXECUTE
120$:LIMITS:15,,,5K
130$:TAPE:SA,X6DD,,73755,,DATABANK
140$:FILE:S1,X2R,5R
150$:FILE:S2,X3R,5R
160$:FILE:S3,X4R,5R
170$:TAPE:S2,X1CD
180$:OPTION:COBOL,NOMAP
190$:SELECT:RCS/MODEXT.O
200$:EXECUTE
210$:LIMITS:15,,,2K
220$:TAPE:AA,X1DD
230$:FILE:S2,X2S,6-L
240$:FILE:BC,X3S,2-L
250$:OPTION:NOMAP
260$:GMAP:NDECK
270:600SM
280:SORT:FCB,,8
290:FIELD:(C4,C2,C1,C1)
300:SEQ:(A4,A2)
310:FILCB:FCB,**,2
320:END
330$:EXECUTE
340$:LIMITS:15,,,2K
350$:FILE:SA,Y3R,2-L
360$:FILE:S1,S1R,5R
370$:FILE:S2,S2R,5R
380$:FILE:S3,S3R,5R
390$:FILE:S4,S4R,5R
400$:FILE:S2,X4S,2-L
410$:OPTION:NOMAP
420$:GMAP:NDECK
430:600SM
440:SORT:FCB,,5
450:FIELD:(C12)
460:SEQ:(A1)
470:FILCB:FCB,**,2
480:END
490$:EXECUTE
500$:LIMITS:15,,,2K
510$:TAPE:SA,X5D,,74122,,BUDGET2
520$:FILE:S1,S1R,15R
530$:FILE:S2,S2R,15R
540$:FILE:S3,S3R,15R
550$:FILE:S4,S4R,15R
560$:FILE:S5,S5R,15R
```

570\$:FILE:SZ,X6S,75L  
580\$:OPTION:COBOL,NOMAP  
590\$:SELECT:RCS/MODMDS.O  
600\$:EXECUTE  
610\$:LIMITS:15,,,2K  
620\$:FILE:AA,X4R,2 L  
630\$:FILE:AB,X6R,6 L  
640\$:FILE:BB,X7S,210L  
650\$:OPTION:NOMAP  
660\$:GMAP:MDECK  
670:600SM  
680:SORT:FCB,,9  
690:FIELD:(C17,C10,C1,C3)  
700:SEQ:(A2,A4)  
710:FILCB:FCB,\*,2  
720:END  
730\$:EXECUTE  
740\$:LIMITS:15,,,2K  
750\$:FILE:SA,X2R,6 L  
760\$:FILE:SB,X7R,210L  
770\$:FILE:S1,S1R,55R  
780\$:FILE:S2,S2R,55R  
790\$:FILE:S3,S3R,55R  
800\$:FILE:S4,S4R,55R  
810\$:TAPE:SZ,X8D,,74845,,MODRAN/FING  
820\$:ENDJOB

CATALOG/FILE DESCRIPTION= PCS/MODEXT.S

10#M,R(AC):,8,16;\,12,30  
20S:IDENT:WP0955,MMRER/DEW WALK 72751 MODEXT.S  
30S:LIMITS:15,,,9K  
40S:OPTION:NOMAP  
50S:COBOL:DECK  
60S:PRMFL:C\*,W,S,RCS/MODEXT.O  
70:IDENTIFICATION DIVISION.  
80:PROGRAM-ID. MODEXT.  
90:ENVIRONMENT DIVISION.  
100:CONFIGURATION SECTION.  
110:SPECIAL-NAMES.  
120\COMPILE ERRORS.  
130:FILE CONTROL.  
140\SELECT INFILE ASSIGN TO AA.  
150\SELECT PECFILE ASSIGN TO BB.  
160\SELECT COMFILE ASSIGN TO BC.  
170:I-O-CONTROL.  
180\APPLY STANDARD ON INFILE PECFILE COMPILE.  
190:DATA DIVISION.  
200:FILE SECTION.  
210:FD INFILE  
220\LABEL RECORD STANDARD.  
230:01 INREC\PIC X(72).  
240:FD PECFILE  
250\LABEL RECORD STANDARD.  
260:01 PECREC\PIC X(48).  
270:FD COMFILE  
280\LABEL RECORD STANDARD.  
290:01 COMMREC\PIC X(48).  
300:WORKING-STORAGE SECTION.  
310:77 INCNT\PIC 9(7) VALUE 0 COMP-1.  
320:77 COMCNT\PIC 9(7) VALUE 0 COMP-1.  
330:77 PECCNT\PIC 9(7) VALUE 0 COMP-1.  
340:77 DISCNT\PIC Z(5)9.  
350:77 DSUB\PTC Z9.  
360:77 SUB1\PIC 99 VALUE 0 COMP-1.  
370:77 SUB2\PIC 99 VALUE 0 COMP-1.  
380:77 INOT\PIC 9 VALUE 0.  
390:77 MEMTOTCNT\PIC 9(7) VALUE 0 COMP-1.  
400:77 NOHDCNT\PIC 9(7) VALUE 0 COMP-1.  
410:01 IRFC.  
420\03 IPC\PIC X(4).  
430\03 IFF\PIC XX.  
440\03 IRGC\PIC X.  
450\03 IKS\PIC X(10).  
460\03 IMDS\PIC X(10).  
470\03 IWBS.  
480\ 05 FILLER\PIC X.  
490\ 05 WRSC.  
500\ 07 WS\PIC XX.  
510\ 07 FILLER\PIC X.  
520\ 05 FILLER\PIC X.  
530\03 IRIE.  
540\ 05 MEM\PIC 99.  
550\ 05 ITYP\PIC 99. A.1-3  
560\ 05 FILLER\PIC 99.  
570\03 FILLER\PIC X.

580\\*3 ICUS\PIC XXX.  
 590\\*3 FILLER\PIC X(9).  
 600\\*3 IOC\PIC X.  
 610\\*3 FILLER\PIC X.  
 620\\*3 IFAC\PIC XX.  
 630\\*3 IALC\PIC XX.  
 640\\*3 FILLER\PIC X(9).  
 650\\*3 IDRAW\PIC X.  
 660\\*3 ISCODE\PIC X.  
 670\\*3 FILLER\PIC X(4).  
 680:01 OHDAEC REDEFINESIREC.  
 690\\*3 FILLER\PIC X(38).  
 700\\*3 IQ\PIC 9(7).  
 710\\*3 IH\PIC 9(9).  
 720\\*3 IDOL\PIC 9(7).  
 730\\*3 FILLER\PIC X(11).  
 740:01 OREC.  
 750\\*3 PC\PIC X(4).  
 760\\*3 FY\PIC XX.  
 770\\*3 RGC\PIC X.  
 780\\*3 KS\PIC X(10).  
 790\\*3 MDS\PIC X(1).  
 800\\*3 WBS\PIC X(5).  
 810\\*3 CUS\PIC XXX.  
 820\\*3 OC\PIC X.  
 830\\*3 FAC\PIC XX.  
 840\\*3 ALC\PIC XX.  
 850\\*3 DRAW\PIC X.  
 860\\*3 DN\PIC 9(7).  
 870:01 TAB.  
 880: 02 T1 OCCURS 2.  
 890\\*3 T2 OCCURS 7.  
 900\\* 05 TD\PIC 9(7) OCCURS 3.  
 910:01 FYTAB.  
 920: 02 F1 OCCURS 7.  
 930\\*3 TFY\PIC XX.  
 940:PROCEDURE DIVISION.  
 950:START-0.  
 960\OPEN INPUT INFILE OUTPUT PECFILE COMFILE.  
 970\MOVE SPACES TO FYTAB.  
 980\MOVE ZERO TO TAB.  
 990:READ-10.  
 1000\READ INFILE AT END GO TO END-60.  
 1010\ADD 1 TO INCNT.  
 1020\MOVE INREC TOIREC.  
 1030:CHECK-20.  
 1040\IF MEM = 00 AND ISCODE = "1" ADD 1 TO MEMTOTCNT  
 1050\GO TO READ-10.  
 1060\IF ITYP = 01 GO TO MOVE-30.  
 1070\MOVE INCNT TO DISCNT.  
 1080\DISPLAY "NO HDR REC\*\*\*"IREC " REC NO, = " DISCNT.  
 1090\ADD 1 TO NOHDGNT.  
 1100\GO TO READ-10.  
 1110:MOVE-30.  
 1120\MOVE IPC TO PC.  
 1130\MOVE IFY TO FY MOVE IRGC TO RGC.  
 1140\MOVE IKS TO KS MOVE IMDS TO MDS.  
 1150\MOVE IWBS TO WBS MOVE IFAC TO FAC.  
 1160\MOVE ICUS TO CUS MOVE IOC TO OC.  
 1170\MOVE IALC TO ALC MOVE IDRAW TO DRAW.

1180:PER-40.  
1190\PERFORM READ-10.  
1200\IF ITYP = 01 GO TO CHECK-20.  
1210\MOVE J TO INOT.  
1220\PERFORM PER-65 THRU EXIT-110.  
1230\IF ITYP = 02 AND OC = "C" GO TO REQ-50.  
1240\IF ITYP = 03 AND OC = "Q"  
1250\GO TO REQ-50.  
1260\GO TO PER-40.  
1270:REQ-50.  
1280\MOVE IDOL TO D.  
1290\MOVE 1 TO INOT.  
1300\PERFORM PER-65 THRU EXIT-110.  
1310\IF WBSL = "999" ADD 1 TO COMCNT  
1320\WRITE COMREC FROM OREC GO TO PER-40.  
1330\ADD 1 TO PECCTN.  
1340\WRITE PECREC FROM OREC.  
1350\GO TO PER-40.  
1360:END-60.  
1370\PERFORM DIS-120 VARYING SUB1 FROM 1 BY 1 UNTIL SUB1 > 7.  
1380\DISPLAY " ".  
1390\MOVE INCNT TO DISCNT.  
1400\DISPLAY "NO. OF REC READ = " DISCNT.  
1410\MOVE MEMTOTCNT TO DISCNT.  
1420\DISPLAY "NO. OF XEMO TOTALS REC = " DISCNT.  
1430\MOVE NOHDCNT TO DISCNT.  
1440\DISPLAY "NO. OF NO HEADER REC = " DISCNT.  
1450\MOVE COMCNT TO DISCNT.  
1460\DISPLAY "NO. OF COMMON PEC WRITTEN = " DISCNT.  
1470\MOVE PECCTN TO DISCNT.  
1480\DISPLAY "NO. OF PECULIAR REC WRITTEN = " DISCNT.  
1490\CLOSE INFILE PECFILE COMPILE.  
1500\STOP RUN.  
1510:PER-65.  
1520\MOVE 1 TO SUB1.  
1530:IFY-70.  
1540\IF IFY NOT = TFY (SUB1) GO TO SUB1-100.  
1550:ITYP-80.  
1560\MOVE Q TO SUB2.  
1570\IF ITYP = 02 AND OC = "C" MOVE 1 TO SUB2.  
1580\IF ITYP = 03 AND OC = "Q" MOVE 2 TO SUB2.  
1590\IF ITYP = 04 MOVE 3 TO SUB2.  
1600\IF ITYP > 04 GO TO EXIT-110.  
1610\IF INOT = 1 ADD D TO TD (2,SUB1,SUB2) GO TO EXIT-110.  
1620:IDOL-90.  
1630\ADD IDOL TO TD (1,SUB1,SUB2).  
1640\GO TO EXIT-110.  
1650:SUB1-100.  
1660\IF TFY (SUB1) = SPACE MOVE IFY TO TFY (SUB1)  
1670\GO TO ITYP-80.  
1680\ADD 1 TO SUB1.  
1690\IF SUB1 > 6 DISPLAY "FY ERROR\*\*\*" IFY  
1700\IF IREC = "IREC STOP RUN."  
1710\GO TO IFY-70.  
1720:EXIT-110.  
1730\EXIT.  
1740:DIS-120.  
1750\DISPLAY " " DISPLAY " ".  
1760\MOVE SUB1 TO DSUB.  
1770\DISPLAY "FY(" DSUB ") = " TFY (SUB1).

1780\DISPLAY "DOLLARS IN",  
1790\DISPLAY "02 CONTRACT = " TD (1,SUB1,1).  
1800\DISPLAY "03 ORGANIC = " TD (1,SUB1,2).  
1810\DISPLAY "04 TOTAL = " TD (1,SUB1,3).  
1820\DISPLAY "DOLLARS OUT".  
1830\DISPLAY "02 CONTRACT = " TD (2,SUB1,1).  
1840\DISPLAY "03 ORGANIC = " TD (2,SUB1,2).  
1850\DISPLAY "04 TOTAL = " TD (2,SUB1,3).  
1860\$ENDJOB

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APPENDIX A.2

PROGRAM LISTING - - - MODMDS.S

CATALOG/FILE DESCRIPTION= RCS/MODMDS.S

10:#M,R(AC) :,8,16;\,12,30  
20S:IDENT:WP0955,MMRER/DEW 72751 MODMDS.S  
30S;LIMITS:15,,9K  
40S:OPTION:NOMAP  
50S:COBOL:DECK  
60S:PRMFL:C\*,W,S,RCS/MODMDS.O  
70:IDENTIFICATION DIVISION.  
80:PROGRAM-ID, MODMDS.  
90:ENVIRONMENT DIVISION.  
100:CONFIGURATION SECTION.  
110:SPECIAL-NAMES.  
120\COMPILE ERRORS.  
130:FILE CONTROL.  
140\SELECT COMFILE ASSIGN TO AA.  
150\SELECT MDSFILE ASSIGN TO AB.  
160\SELECT OTFILE ASSIGN TO BB.  
170:1-O-CONTROL.  
180\APPLY STANDARD ON COMFILE MDSFILE OTFILE.  
190:DATA DIVISION.  
200:FILE SECTION.  
210:FD COMFILE  
220\LABEL RECORD STANDARD.  
230: 1 COMREC\PIC X(48).  
240:FD MDSFILE  
250\LABEL RECORDS STANDARD.  
260: 1 HDSREC\PIC X(30).  
270:FD OTFILE  
280\LABEL RECORD STANDARD.  
290: 1 OTREC\PIC X(48).  
300:WORKING-STORAGE SECTION.  
310:77 COMCNT\PIC 9(7) VALUE 0 COMP-1.  
320:77 MDSCNT\PIC 9(7) VALUE 0 COMP-1.  
330:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.  
340:77 DISCNT\PIC Z(6)9.  
350:77 DOLCNT\PIC Z(6)9.  
360:77 NEGCNT\PIC -(6)9.  
370:77 TESCNT\PIC Z(6)9.  
380:77 DIF\PIC S9(7) VALUE 0 COMP-1.  
390:77 SUB1\PIC 9(4) VALUE 0 COMP-1.  
400:77 TKSEFY\PIC X(12).  
410:77 SUB2\PIC 9(4) VALUE 0 COMP-1.  
420:77 SUB3\PIC 99 VALUE 0 COMP-1.  
430:77 SUB4\PIC 99,  
440:77 SUB4\PIC 99 VALUE 0 COMP-1.  
450:77 INOT\PIC 9 VALUE 0.  
460:77 PCT-TOT\PIC 99999999 VALUE 0 COMP.  
470:77 PCTD\PIC ZZ9.9999.  
480:77 NOCNT\PIC 9(7) VALUE 0 COMP-1.  
490:77 HFY\PIC XX.  
500:77 HOC\PIC X.  
510:77 MDFLAG\PIC X VALUE SPACE.  
520:77 COMFLAG\PIC X VALUE SPACE.  
530: 1 CREC.  
540\ 3 PC\PIC X(4),  
550\ 3 FY\PIC XX,  
560\ 3 RGC\PIC X,  
570\ 3 KS\PIC X(10).

580\03 MDS\PIC X(1),  
590\03 WBS\PIC X(5).  
600\ 3 CUS\PIC XXX.  
610\ 3 OC\PIC X.  
620\03 FAC\PIC XX.  
630\03 ALC\PIC XX.  
640\03 DRAW\PIC X.  
650\03 CD\PIC 9(7).  
660:01 MREC.  
670: 02 MKSFY.  
680\03 MKS\PIC X(1).  
690\03 MFY\PIC XX.  
700: 02 MMDS\PIC X(10).  
710: 02 MPCT\PIC X(6).  
720: 02 PCT REDEFINES MPCT PIC 9V99999.  
730: 02 FILLER\PIC XX.  
740:01 OREC.  
750\03 PC\PIC X(4).  
760\03 FY\PIC XX.  
770\03 RG\PIC X.  
780\03 KS\PIC X(10).  
790\03 HDS\PIC X(1).  
800\03 WBS\PIC X(5).  
810\03 CUS\PIC XXX.  
820\03 OC\PIC X.  
830\03 FAC\PIC XX.  
840\03 ALC\PIC XX.  
850\03 DRAW\PIC X.  
860\03 DN\PIC 9(7).  
870:01 RECTAB.  
880\03 TREC\PIC X(48) OCCURS 100.  
890\03 DS\PIC 9(7) COMP-1 OCCURS 100.  
900:01 CKSFY.  
910\03 CKS\PIC X(1).  
920\03 CFY\PIC XX.  
930:01 TAB.  
940: 02 T1 OCCURS 3.  
950\03 T2 OCCURS 7.  
960\ 05 TD\PIC 9(7) OCCURS 2.  
970:01 FYTAB.  
980: 02 F1 OCCURS 7.  
990\03 TFY\PIC XX.  
1000:01 DIFTAB.  
1010\03 DIFCNT\PIC S9(7) COMP-1 OCCURS 7.  
1020:PROCEDURE DIVISION.  
1030:START-0.  
1040\OPEN INPUT COMFILE MDSFILE OUTPUT OTFILE.  
1050\MOVE SPACES TO FYTAB.  
1060\PERFORM ZERO-86 VARYING SUB2 FROM 1 BY 1 UNTIL  
1070\SUB2 > 100.  
1080:READ-10.  
1090\READ MDSFILE AT END MOVE "Z" TO MDFLAG GO TO EXIT-15.  
1100\MOVE MDSREC TO MREC.  
1110\ADD 1 TO MDSCNT.  
1120:EXIT-15.  
1130\EXIT.  
1140:READ-20.  
1150\READ COMFILE AT END MOVE "Z" TO COMFLAG GO TO EXIT-25.  
1160\MOVE COMREC TO CREC.  
1170\ADD 1 TO COMCNT.

1180\MOVE KS OF CREC TO CKS MOVE FY OF CREC TO CFY.  
1190\PERFORM MOVE-150.  
1200\MOVE C TO INOT.  
1210\PERFORM PER-95 THRU EXIT-140.  
1220:EXIT-25.  
1230\EXIT.  
1240:CHECK-30.  
1250\IF COMFLAG = "Z" GO TO END-90.  
1260\IF MDFLAG = "Z" PERFORM DIS-35 DISPLAY "EARLY END ON COMFILE"  
1270\GO TO END-90.  
1280\IF MKSFY < CKSFY PERFORM READ-10 THRU EXIT-15  
1290\GO TO CHECK-3.  
1300\IF MKSFY = CKSFY GO TO EQUAL-40.  
1310:DIS-35.  
1320\DISPLAY "KS AND/OR FY NOT FOUND " CKSFY  
1330\ INPUT REC = " CREC.  
1340\ADD 1 TO NOCNT.  
1350\PERFORM MOVE-150.  
1360\MOVE 2 TO INOT.  
1370\PERFORM PER-95 THRU EXIT-140.  
1380:GO-37.  
1390\GO TO READ-20.  
1400:EQUAL-40.  
1410\MOVE 1 TO SUB1.  
1420\MOVE C TO D.  
1430\MOVE C TO PCT-TOT.  
1440\MOVE CKSFY TO TKSFY.  
1450:MOVE-50.  
1460\IF SUB1 > 100 DISPLAY "TABLE OVERFLOW" GO TO END-90.  
1470\MOVE CORR CREC TO OREC.  
1480:MOVE-60.  
1490\ADD CD TO D.  
1500\MOVE OREC TO TREC (SUB1).  
1510\PERFORM READ-20 THRU EXIT-25.  
1520\IF COMFLAG = "Z" Go TO PER-70.  
1530\IF MKSFY NOT = CKSFY GO TO PER-70.  
1540\IF RGC OF CREC = RGC OF OREC AND  
1550\ALC OF CREC = ALC OF OREC AND  
1560\CUS OF CREC = CUS OF OREC AND  
1570\WBS OF CREC = WBS OF OREC AND  
1580\FAC OF CREC = FAC OF OREC AND  
1590\OC OF CREC = OC OF OREC AND  
1600\MDS OF CREC = MDS OF OREC AND  
1610\DRAW OF CREC = DRAW OF OREC AND  
1620\PC OF CREC = PC OF OREC GO TO MOVE-60.  
1630\MOVE C TO D.  
1640\ADD 1 TO SUB1.  
1650\GO TO MOVE-50.  
1660:PER-70.  
1670\EXAMINE MPCT REPLACING ALL " " BY "0".  
1680\ADD PCT TO PCT-TOT.  
1690\PERFORM MULT-50 VARYING SUB2 FROM 1 BY 1 UNTIL SUB2 > SUB1.  
1700\PERFORM READ-10 THRU EXIT-15.  
1710\IF MDFLAG = "Z" GO To IF-75.  
1720\IF TKSFY = MKSFY GO TO PER-70.  
1730:IF-75.  
1740\IF PCT-TOT < .99 OR PCT-TOT > 1.01 MOVE PCT-TOT TO PCTD  
1750\DISPLAY "\*\*\*\*\*RAD TOTAL " PCTD " FOR " TKSFY.  
1760\MOVE C TO PCT-TOT.  
1770\PERFORM COMP-65 VARYING SUB2 FROM 1 BY 1 UNTIL

1780\SUB2 > SUB1.  
1790\PERFORM ZERO-86 VARYING SUB2 FROM 1 BY 1 UNTIL  
1800\SUB2 > SUB1.  
1810\GO TO CHECK-3.  
1820:MULT-80.  
1830\MOVE TREC (SUB2) TO OREC.  
1840\MULTIPLY PCT BY D OF OREC ROUNDED.  
1850\ADD D OF OREC TO DS (SUB2).  
1860\MOVE MDS TO MDS OF OREC.  
1870\PERFORM MOVE-160.  
1880\MOVE 1 TO INOT.  
1890\PEFFORM PER-95 THRU EXIT-140.  
1900\WRITTE OTREC FROM OREC.  
1910\ADD 1 TO OTCNT.  
1920:COMP-85.  
1930\MOVE TREC (SUB2) TO OREC.  
1940\MOVE 1 TO SUB3.  
1950\PEFFORM FMOVE-87 THRU EXIT-88.  
1960\COMPUTE DIF = DS (SUB2) - D OF OREC.  
1970\ADD DIF TO DIFCNT (SUB3).  
1980:FMOVE-87.  
1990\IF FY OF OREC = TFY (SUB3) GO TO EXIT-88.  
2000\ADD 1 TO SUB3.  
2010\IF SUB3 > 8 DISPLAY "FY ERROR\*\*\*" FY OF OREC  
2020\" OREC = " OREC STOP RUN.  
2030\GO TO FMOVE-87.  
2040:EXIT-88.  
2050\EXIT.  
2060:ZERO-86.  
2070\MOVE 0 TO DS (SUB2).  
2080:END-90.  
2090\PERFORM DIS-170 VARYING SUB3 FROM 1 BY 1 UNTIL SUB3 > 7.  
2100\DISPLAY " ".  
2110\MOVE COMCNT TO DISCNT.  
2120\DISPLAY "NO. OF COM REC READ = " DISCNT.  
2130\MOVE MDSCNT TO DISCNT.  
2140\DISPLAY "NO. OF MSTR REC READ = " DISCNT.  
2150\MOVE NOCNT TO DISCNT.  
2160\DISPLAY "NO. OF COM REC NOT FOUND = " DISCNT.  
2170\MOVE OTCNT TO DISCNT.  
2180\DISPLAY "NO. OF REC WRITTEN = " DISCNT.  
2190\CLOSE COMFILE MDSFILE OTFILE.  
2200\STOP RUN.  
2210:PER-95.  
2220\MOVE 1 TO SUB3.  
2230:HFY-100.  
2240\IF HFY NOT = TFY (SUB3) GO TO SUB3-130.  
2250:MOVE-110.  
2260\MOVE 0 TO SUB4.  
2270\IF HOC = "C" MOVE 1 TO SUB4 ELSE MOVE 2 TO SUB4.  
2280\IF INOT = 1 ADD D TO TD (2,SUB3,SUB4)  
2290\GO TO EXIT-14.  
2300\IF LNNOT = 2 ADD CD TO TD (3,SUB3,SUB4)  
2310\GO TO EXIT-14.  
2320:IDOL-120.  
2330\ADD CD TO TD (1,SUB3,SUB4).  
2340\GO TO EXIT-14.  
2350:SUB3-130.  
2360\IF TFY (SUB3) = SPACE MOVE HFY TO TFY (SUB3)  
2370\GO TO MOVE-11.

2380\ADD 1 TO SUB3.  
2390\IF SUB3 > 8 DISPLAY "FY ERROR\*\*\*" HFY  
2400\" CREC = " CREC STOP RUN.  
2410\GO TO HFY-100.  
2420:EXIT-140.  
2430\EXIT.  
2440:MOVE-150.  
2450\MOVE FY OF CREC TO HFY.  
2460\MOVE OC OF CREC TO HOC.  
2470:MOVE-160.  
2480\MOVE FY OF OREC TO HFY.  
2490\MOVE OC OF OREC TO HOC.  
2500:DIS-170.  
2510\DISPLAY " " DISPLAY " ".  
2520\MOVE SUB3 TO SUBD.  
2530\DISPLAY "FY(" SUBD ") = " TFY (SUB3).  
2540\DISPLAY "DOLLARS IN".  
2550\DISPLAY "CONTRACT = " TD (1,SUB3,1).  
2560\DISPLAY "ORGANIC = " TD (1,SUB3,2).  
2570\DISPLAY "DOLLARS OUT".  
2580\DISPLAY "CONTRACT = " TD (2,SUB3,1).  
2590\DISPLAY "ORGANIC = " TD (2,SUB3,2).  
2600\DISPLAY "DOLLARS NOT WRITTEN".  
2610\DISPLAY "CONTRACT = " TD (3,SUB3,1).  
2620\DISPLAY "ORGANIC = " TD (3,SUB3,2).  
2630\MOVE DIFCNT (SUB3) TO NEGCNT.  
2640\DISPLAY "ROUND-OFF DOLLARS = " NEGCNT.  
2650\$:ENDJOB

APPENDIX A.3

PROGRAM LISTINGS - MODWBS.R - MODWBS.S

CATALOG/FILE DESCRIPTION= RCS/MODWBS.R

10#N,R(AC)  
20\$:IDENT:WP0955,LORER(81) WILHELM 72751 MODWBS.R  
30\$:LIMITS:15,,,9K  
40\$:OPTION:NOMAP  
50\$:GMAP:NDECK  
60:600SM  
70:SORT:FCB,,14  
80:FIELD:(C1,C3,C1,C5,C1,C10)  
90:SEQ:(A6,A2)  
100:FILCB:FCB,\*\*,2  
110:END  
120\$:EXECUTE  
130\$:PRMFL:SA,R,S,MMR/-PAGE,E  
140\$:FILE:S1,S1R,5R  
150\$:FILE:S2,S2R,5R  
160\$:FILE:S3,S3R,5R  
170\$:FILE:S2,F1S,1 L  
180\$:OPTION:COBOL,NOMAP  
190\$:SELECT:RCS/MODWBS.O  
200\$:EXECUTE  
210\$:LIMITS:15,,,2K  
220\$:TAPE:AA,X1D,,74845,,MODRAN  
230\$:FILE:AB,F1R,1 L  
240\$:TAPE:BB,X2D,,76651,,MODRAN/RING  
250\$:ENDJOB

CATALOG/FILE DESCRIPTION= RCS/MODWBS.S

0010##M,R(AC) :,8,16;\,12,30  
0020\$:IDENT:WP0955,MMRER/DEW 72751 MODWBS.S  
0030\$:LIMITS:15,,.9K  
0040\$:OPTION:NOMAP  
0050\$:COBOL:DECK  
0060\$:PRMFL:C\*,W,S,RCS/MODWBS.O  
0070;IDENTIFICATION DIVISION.  
0080;PROGRAM-ID. MODWBS.  
0090;ENVIRONMENT DIVISION.  
0100;CONFIGURATION SECTION,  
0110;SPECIAL-NAMES,  
0120\COMPILE ERRORS.  
0130;FILE CONTROL.  
0140\SELECT COMFILE ASSIGN TO AA.  
0150\SELECT WBSFILE ASSIGN TO AB.  
0160\SELECT OTFILE ASSIGN TO BB.  
0170;I-O-CONTROL.  
0180\APPLY STANDARD ON COMFILE WBSFILE OTFILE.  
0190;DATA DIVISION.  
0200;FILE SECTION.  
0210;FD COMFILE  
0220\LABEL RECORD STANDARD.  
0230:01 COMREC\PIC X(4).  
0240;FD WBSFILE  
0250\LABEL RECORD STANDARD.  
0260:01 WBSREC\PIC X(84).  
0270;FD OTFILE  
0280\LABEL RECORD STANDARD,  
0290:01 OTREC\PIC X(54).  
0300;WORKING-STORAGE SECTION.  
0310:77 COLCNT\PIC 9(7) VALUE 0 COMP-1.  
0320:77 WBSCNT\PIC 9(7) VALUE 0 COMP-1.  
0330:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.  
0340:77 NOCNT\PIC 9(7) VALUE 0 COMP-1.  
0350:77 DISCNT\PIC Z(6)9.  
0360:77 SUB1\PIC 99 VALUE 0 COMP-1.  
0370:77 SUB2\PIC 99 VALUE 0 COMP-1.  
0380:77 INOT\PIC 9.  
0390:77 SUED\PIC 99.  
0400:77 HFY\PIC XX.  
0410:77 HOC\PIC X.  
0420:77 CFLAG\PIC X VALUE SPACE.  
0430:77 WFLAG\PIC X VALUE SPACE.  
0440:01 CREC.  
0450\03 PART1.  
0460\ 05 FILLER\PIC X(4).  
0470\ 05 IFY\PIC XX.  
0480\ 05 IEGC\PIC X.  
0490\ 05 FILLER\PIC X(10).  
0500\03 MDS\PIC X(10).  
0510\03 CWES.  
0520\ 05 P1\PIC X.  
0530\ 05 FILLER\PIC XXX.  
0540\ 05 P2\PIC X.  
0550\03 PART2.  
0560\ 05 FILLER\PIC X(3). A.3-2  
0570\ 05 IOC\PIC X.

0580\ 05 FILLER\PIC X(5).  
0590\03 D\PIC 9(7).  
0600:01 OREC.  
0610\03 PART1.  
0620\ 05 FILLER\PIC X(4).  
0630\ 05 FY\PIC XX.  
0640\ 05 RGC\PIC X.  
0650\ 05 FILLER\PIC X(10).  
0660\03 MDS\PIC X(10).  
0670\03 OWBS.  
0680\ 05 P1\PIC X.  
0690\ 05 WBSCL\PIC XXX.  
0700\ 05 P2\PIC X.  
0710\03 PART2.  
0720\ 05 CUS\PIC XXX.  
0730\ 05 OC\PIC X.  
0740\ 05 FILLER\PIC X(5).  
0750\03 D\PIC 9(7).  
0760\03 MD\PIC X(5).  
0770\03 CUSS\PIC X.  
0780:01 WRFC.  
0790\03 FILLER\PIC X.  
0800\03 WB\PIC XXX.  
0810\03 FILLER\PIC X.  
0820\03 MDIN\PIC X(5).  
0830\03 FILLER\PIC X.  
0840\03 WMDS\PIC X(10).  
0850\03 FILLER\PIC X(63).  
0860:01 TAB.  
0870: 02 T1 OCCURS 3.  
0880\03 T2 OCCURS 7.  
0890\ 05 TD\PIC 9(7) OCCURS 2.  
0900:01 FYTAB.  
0910: 02 F1 OCCURS 7.  
0920\03 TFY\PIC XX.  
0930:PROCEDURE DIVISION.  
0940:START-0.  
0950\OPEN INPUT COMFILE WBSFILE OUTPUT OTFILE.  
0960\MOVE SPACE TO FYTAB.  
0970:READ-10.  
0980\READ WBSFILE AT END MOVE "Z" TO WFLAG GO TO EXIT-15.  
0990\MOVE WBSREC TO WREC.  
1000\ADD 1 TO WBSCNT.  
1010:EXIT-15.  
1020\EXIT.  
1030:READ-20.  
1040\READ COMFILE AT END MOVE "Z" TO CFLAG GO TO EXIT-25.  
1050\MOVE COMREC TO CREC.  
1060\ADD 1 TO COMCNT.  
1070\PERFORM MOVE-150.  
1080\MOVE Q TO INOT.  
1090\PERFORM PER-9 THRU EXIT-140.  
1100:EXIT-25.  
1110\EXIT.  
1120:MOVE-30.  
1130\MOVE SPACES TO OREC.  
1140\MOVE PART1 OF CREC TO PART1 OF OREC.  
1150\MOVE LDS OF CREC TO MDS OF OREC.  
1160\MOVE PART2 OF CREC TO PART2 OF OREC.  
1170\MOVE D OF CREC TO D OF OREC.

1180\MOVE CORR CWBS TO OWBS.  
1190:PER-40.  
1200\PERFORM READ-20 THRU EXIT-25.  
1210\IF CFLAG = "Z" GO TO MATCH-50.  
1220\IF PART1 OF CREC = PART1 OF OREC AND  
1230\MDS OF CREC = MDS OF OREC AND  
1240\CWBS = OWBS AND  
1250\PART2 OF CREC = PART2 OF OREC  
1260\ADD D OF CREC TO D OF OREC  
1270\GO TO PER-40.  
1280:MATCH-50.  
1290\IF WFLAG = "Z" AND CFLAG = "Z" GO TO END-80.  
1300\IF WFLAG = "Z" DISPLAY "MDS NOT MATCHED\*\*\*" CREC  
1310\GO TO END-80.  
1320\IF MDS OF OREC > WMDS PERFORM READ-10 THRU EXIT-15  
1330\GO TO MATCH-50.  
1340\IF MDS OF OREC = WMDS MOVE WB TO WBSC  
1350\MOVE MDIN TO MD GO TO WRITE-60.  
1360\ADD 1 TO NOCNT.  
1370\PERFORM MOVE-150.  
1380\MOVE 2 TO INOT.  
1390\PERFORM PER-90 THRU EXIT-140.  
1400\DISPLAY "MDS NOT IN 3PAGE.B" OREC,  
1410\IF CFLAG = "Z" GO TO END-80.  
1420\GO TO MOVE-30.  
1430:WRITE-60.  
1440\PERFORM MOVE-160.  
1450\MOVE 1 TO INOT.  
1460\PERFORM PER-90 THRU EXIT-140.  
1470\MOVE "9" TO CUSS.  
1480\IF CUS = "AFR" MOVE "1" TO CUSS.  
1490\IF CUS = "ANG" MOVE "2" TO CUSS.  
1500\IF CUS = "DA" MOVE "3" TO CUSS.  
1510\IF CUS = "DAF" MOVE "4" TO CUSS.  
1520\IF CUS = "DN" MOVE "5" TO CUSS.  
1530\IF CUS = "MAC" MOVE "6" TO CUSS.  
1540\IF CUS = "MAP" MOVE "7" TO CUSS.  
1550\IF CUS = "SYS" MOVE "8" TO CUSS.  
1560\WRITE OTREC FROM OREC,  
1570\ADD 1 TO OTCNT.  
1580\IF CFLAG = "Z" GO TO END-80.  
1590\GO TO MOVE-30.  
1600:END-80.  
1610\PERFORM DIS-170 VARYING SUB1 FROM 1 BY 1 UNTIL SUB1 > 7,  
1620\DISPLAY " ".  
1630\MOVE COMCNT TO DISCNT.  
1640\DISPLAY "NO. OF COM REC READ = " DISCNT.  
1650\MOVE WBSCNT TO DISCNT.  
1660\DISPLAY "NO. OF 3PAGE REC READ = " DISCNT.  
1670\MOVE NOCNT TO DISCNT.  
1680\DISPLAY "NO. OF COMREC NOT MATCHED = " DISCNT.  
1690\MOVE OTCNT TO DISCNT.  
1700\DISPLAY "NO. OF REC WRITTEN = " DISCNT.  
1710\CLOSE COMFILE WBSFILE OTFILE.  
1720\STOP RUN.  
1730:PER-90.  
1740\MOVE 1 TO SUB1.  
1750:HFY-100.  
1760\IF HFY NOT = TFY (SUB1) GO TO SUB1-130.  
1770:MOVE-110.

1780\MOVE 0 TO SUB2.  
1790\IF HOC = "C" MOVE 1 TO SUB2 ELSE MOVE 2 TO SUB2.  
1800\IF INOT = 1 ADD D OF QREC TO TD (2,SUB1,SUB2)  
1810\GO TO EXIT-14 .  
1820:DOL-120.  
1830\ADD D OF CRFC TO TD (1,SUB1,SUB2),  
1840\GO TO EXIT-14 .  
1850:SUB1-130.  
1860\IF TFY (SUB1) = SPACE MOVE HFY TO TFY (SUB1)  
1870\GO TO MOVE-11 .  
1880\ADD 1 TO SUB1.  
1890\IF SUB1 > 8 DISPLAY "FY ERROR\*\*\*" HFY  
1900\" CREC = " CREC STOP RUN,  
1910\GO TO HFY-100.  
1920:EXIT-140.  
1930\EXIT.  
1940:MOVE-150.  
1950\MOVE IFY TO HFY.  
1960\MOVE IOC TO HOC.  
1970:MOVE-160.  
1980\MOVE FY TO HFY.  
1990\MOVE OC TO HOC.  
2000:DIS-170.  
2010\DISPLAY " " DISPLAY " ",  
2020\MOVE SUB1 TO SUBD.  
2030\DISPLAY "FY(" SURD ") = " TFY (SUB1).  
2040\DISPLAY "DOLLARS IN",  
2050\DISPLAY "CONTRACT = " TD (1,SUB1,1),  
2060\DISPLAY "ORGANIC = " TD (1,SUB1,2),  
2070\DISPLAY "DOLLARS OUT",  
2080\DISPLAY "CONTRACT = " TD (2,SUB1,1),  
2090\DISPLAY "ORGANIC = " TD (2,SUB1,2),  
2100\DISPLAY "DOLLARS NOT WRITTEN".  
2110\DISPLAY "CONTRACT = " TD (3,SUB1,1),  
2120\DISPLAY "ORGANIC = " TD (3,SUB1,2),  
2130\$:ENDJOB

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APPENDIX A.4  
PROGRAM LISTINGS - MODTOT.R - MODTOT.S

CATALOG/FILE DESCRIPTION= RCS/MODTOT.R

```
10#N,R(AC)
20$:IDENT:WF0955,LORER(81)           WILHELM    72751    MODTOT.R
30$:LIMITS:15,,,9K
40$:OPTION:NOMAP
50$:GMAP:NDECK
60:600SM
70:SORT:FCB,,9
80:FIELD:(C4,C2,C1,C25,C3,C1,C4,C1)
90:SEQ:(A2,A5,D8,A6,A3)
100:FILCB:FCB,***,2
110:END
120$:EXECUTE
130$:LIMITS:15,,,2K
140$:TAPE:SA,X1D,,76651,,MODRAN
150$:FILE:S2,S2R,55R
160$:FILE:S2,S2R,55R
170$:FILE:S3,S3R,55R
180$:FILE:S4,S4R,55R
190$:FILE:S2,A1S,210L
200$:OPTION:COBOL,NOMAP
210$:SELECT:RCS/MODTOT.O
220$:EXECUTE
230$:LIMITS:15,,,2K
240$:FILE:AA,A1R,210L
250$:REMOTE:BB,AC
260$:PRMFL:BC,W,S,RCS/REQPER
270$:PRMFL:BD,W,S,RCS/REQDUL
280$:ENDJOB
```

CATALOG/FILE DESCRIPTION= RCS/MQDTOT.S

10# #M,R(AC) :,8,16; \,12,30  
20\$ :IDENT:WP0955, LORER(81) CJW 72751 MQDTOT.S  
30\$ :LIMITS:15,,,9K  
40\$ :OPTION:NOMAP  
50\$ :COBOL:DECK  
60\$ :PRMFL:C\*,W,S,RCS/MQDTOT.O  
70: IDENTIFICATION DIVISION.  
80: PROGRAM-ID. MQDTOT.  
90: ENVIRONMENT DIVISION.  
100: CONFIGURATION SECTION.  
110: SPECIAL-NAMES.  
120\COMPILE ERRORS.  
130:FILE CONTROL.  
140\SELECT INFILE ASSIGN TO AA.  
150\SELECT OTFILE ASSIGN TO BB FOR LISTING.  
160\SELECT PERFILE ASSIGN TO BC.  
170\SELECT REQFILE ASSIGN TO BD.  
180:I-O-CONTROL.  
190\APPLY STANDARD ON INFILE OTFILE PERFILE REQFILE.  
200:DATA DIVISION.  
210:FILE SECTION.  
220:FD INFILE  
230\LABEL RECORD STANDARD,  
240: 1 INREC\PIC X(54).  
250:FD OTFILE  
260\LABEL RECORD STANDARD  
270\REPORT IS TOT-REPORT,  
280:FD PERFILE  
290\LABEL RECORD STANDARD.  
300:01 OTREC\PIC X(48).  
310:FD REQFILE  
320\LABEL RECORD STANDARD,  
330: 1 REQCREC\PIC X(54).  
340:WORKING-STORAGE SECTION.  
350:77 INCNT\PIC 9(7) VALUE 0 COMP-1.  
360:77 NOCNT\PIC 9(7) VALUE 0 COMP-1.  
370:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.  
380:77 CUSTOT\PIC 9(7) COMP-1.  
390:77 DRAWTOT\PIC 9(7) COMP-1.  
400:77 DISCNT\PIC Z(6)9.  
410:77 SUB1\PIC 99 VALUE 0 COMP-1.  
420:77 SUB2\PIC 99 VALUE 0 COMP-1.  
430:77 SUB3\PIC 99 VALUE 0 COMP-1.  
440:77 HFY\PIC XX.  
450:77 IFY\PIC 99 VALUE 0 COMP-1.  
460:77 IOC\PIC 99 VALUE 0 COMP-1.  
470:01 SUMTAB.  
480: 02 TCUS OCCURS 1.  
490\ 3 TDRAW OCCURS 4.  
500\ 05 TCDOL\PIC 9(7) OCCURS 7.  
510\ 05 TCDOL\PIC 9(7) OCCURS 7.  
520:01 IREC.  
530\ 3 FILLER\PIC X(4).  
540\ 3 FY\PIC XX.  
550\ 3 PGC\PIC X.  
560\ 3 FILLER\PIC X(25).  
570\ 3 CUS\PIC XXX.

580\03 OC\PIC X,  
590\03 FILLER\PIC X(4),  
600\03 DRAW\PIC X.  
610\03 D\PIC 9(7).  
620\03 FILLER\PIC X(6).  
630:01 PREC.  
640\03 PFY\PIC XX.  
650\03 PCUS\PIC XXX.  
660\03 PDRAW\PIC X.  
670\03 PERDRAW\PIC 9V9(4).  
680\03 POC\PIC X.  
690\03 PEROC\PIC 9V9(4).  
700\03 FACFT\PIC 9V9(4).  
710\03 PMISS\PIC 9V9(4).  
720\03 PENG\PIC 9V9(4).  
730\03 POMAI\PIC 9V9(4).  
740\03 PEXCH\PIC 9V9(4).  
750\03 PABM\PIC 9V9(4).  
760:01 RQREC.  
770\03 RFY\PIC XX.  
780\03 RCUS\PIC XXX.  
790\03 RDRAW\PIC X.  
800\03 ROC\PIC X.  
810\03 RACFT\PIC 9(7).  
820\03 RMISSS\PIC 9(7).  
830\03 RENG\PIC 9(7).  
840\03 ROMEIN\PIC 9(7).  
850\03 REXCH\PIC 9(7).  
860\03 RABM\PIC 9(7).  
870\03 FILLER\PIC X(5).  
880:01 CTAB.  
890\03 FILLER\PIC X(30) VALUE  
900\03 "AFRANGDA DAFFDN MACMAPSYSTHTOT".  
910:01 CUSTAB REDEFINES CTAB.  
920\03 CUST\PIC XXX OCCURS 10.  
930:01 DTAB.  
940\03 FILLER\PIC X(12) VALUE " R D A TOT".  
950:01 DRAWTAB REDEFINES DTAB.  
960\03 DRAT\PIC X(3) OCCURS 4:  
962:01 DRTAB.  
964\03 FILLER\PIC X(4) VALUE "RDA ".  
966:01 DWTAB REDEFINES DRTAB.  
968\03 DRAB\PIC X OCCURS 4.  
970:REPORT SECTION.  
980:RD TOT-REPORT  
990\03 CONTROLS ARE CUST (SUB1) IOC  
1000\03 PAGE LIMIT IS 55 LINES  
1010\03 HEADING 1  
1020\03 FIRST DETAIL 3.  
1030:01 TYPE IS CF CUST (SUB1) NEXT GROUP IS NEXT PAGE.  
1040: 02 LINE PLUS 01.  
1050:01 TYPE IS CH IOC.  
1060: 02 LINE PLUS 01.  
1070\03 COLUMN 1\PIC XX SOURCE FY.  
1080\03 COLUMN 4\PIC XXX SOURCE CUST (SUB1).  
1090:01 TYPE IS PH.  
1100: 02 LINE PLUS 01.  
1110\03 COLUMN 12\SIZE 4 VALUE "ACFT".  
1120\03 COLUMN 21\SIZE 4 VALUE "MISS".  
1130\03 COLUMN 30\SIZE 3 VALUE "ENG".

1140\03 COLUMN 39\SIZE 4 VALUE "OMEI".  
1150\03 COLUMN 48\SIZE 4 VALUE "EXCH".  
1160\03 COLUMN 57\SIZE 5 VALUE "A/B/M".  
1170\03 COLUMN 66\SIZE 4 VALUE "TOTL".  
1175\03 COLUMN 75\PIC ZZZ9 SOURCE PAGE-COUNTER.  
1180:01 OL TYPE DE LINE PLUS 02.  
1190\03 COLUMN 2\PIC XXX SOURCE DRAT (SUB2).  
1200\03 COLUMN 6\SIZE 1 VALUE "O".  
1210\03 COLUMN 9\PIC Z(6)9 SOURCE TODOL (SUB1,SUB2,1).  
1220\03 COLUMN 18\PIC Z(6)9 SOURCE TODOL (SUB1,SUB2,2).  
1230\03 COLUMN 27\PIC Z(6)9 SOURCE TODOL (SUB1,SUB2,3).  
1240\03 COLUMN 36\PIC Z(6)9 SOURCE TODOL (SUB1,SUB2,4).  
1250\03 COLUMN 45\PIC Z(6)9 SOURCE TODOL (SUB1,SUB2,5).  
1260\03 COLUMN 54\PIC Z(6)9 SOURCE TODOL (SUB1,SUB2,6).  
1270\03 COLUMN 63\PIC Z(6)9 SOURCE TODOL (SUB1,SUB2,7).  
1280:01 CL TYPE DE LINE PLUS 02.  
1290\03 COLUMN 6\SIZE 1 VALUE "C".  
1300\03 COLUMN 9\PIC Z(6)9 SOURCE TCDOL (SUB1,SUB2,1).  
1310\03 COLUMN 18\PIC Z(6)9 SOURCE TCDOL (SUB1,SUB2,2).  
1320\03 COLUMN 27\PIC Z(6)9 SOURCE TCDOL (SUB1,SUB2,3).  
1330\03 COLUMN 36\PIC Z(6)9 SOURCE TCDOL (SUB1,SUB2,4).  
1340\03 COLUMN 45\PIC Z(6)9 SOURCE TCDOL (SUB1,SUB2,5).  
1350\03 COLUMN 54\PIC Z(6)9 SOURCE TCDOL (SUB1,SUB2,6).  
1360\03 COLUMN 63\PIC Z(6)9 SOURCE TCDOL (SUB1,SUB2,7).  
1370:PROCEDURE DIVISION.  
1380:START-0.  
1390\OPEN INPUT INFILE OUTPUT OTFILE PROFILE REFILE.  
1400\INITIATE TOT-REPORT.  
1410:MOVE-5.  
1420\MOVE ZERO TO SUMTAB.  
1430:READ-10.  
1440\READ INFILE AT END MOVE "ZZ" TO HFY GO TO EXIT-15.  
1450\ADD 1 TO INCNT.  
1460\MOVE INREC TO IREC.  
1470:EXIT-15.  
1480\EXIT.  
1490:IF-20.  
1500\IF INCNT = 1 MOVE FY TO HFY GO TO CUS-30.  
1510\IF HFY = "ZZ" GO TO WRITE-80.  
1520\IF FY NOT = HFY GO TO WRITE-80.  
1530:CUS-30.  
1540\IF CUS = "AFR" MOVE 1 TO SUB1 GO TO DRAW-40.  
1550\IF CUS = "ANG" MOVE 2 TO SUB1 GO TO DRAW-40.  
1560\IF CUS = "DA" MOVE 3 TO SUB1 GO TO DRAW-40.  
1570\IF CUS = "DAF" MOVE 4 TO SUB1 GO TO DRAW-40.  
1580\IF CUS = "DN" MOVE 5 TO SUB1 GO TO DRAW-40.  
1590\IF CUS = "MAC" MOVE 6 TO SUB1 GO TO DRAW-40.  
1600\IF CUS = "MAP" MOVE 7 TO SUB1 GO TO DRAW-40.  
1610\IF CUS = "SYS" MOVE 8 TO SUB1 GO TO DRAW-40.  
1620\MOVE 9 TO SUB1.  
1630:DRAW-40.  
1640\IF DRAW = "R" MOVE 1 TO SUB2.  
1650\IF DRAW = "D" MOVE 2 TO SUB2.  
1660\IF DRAW = "A" MOVE 3 TO SUB2.  
1670\IF DRAW NOT = "R" AND "D" AND "A" DISPLAY "DRAW ERROR\*\*\*"  
1680\DRAW " IREC = " IREC ADD 1 TO NOCNT  
1690\GO TO READ-10.  
1700:EEI-50.  
1710\IF RGC = "A" OR "B" MOVE 1 TO SUB3 GO TO ADD-60.  
1720\IF RGC = "C" OR "D" MOVE 2 TO SUB3 GO TO ADD-60.

1730\IF RGC = "E" OR "F" MOVE 3 TO SUB3 GO TO ADD-60.  
1740\IF RGC = "G" OR "H" MOVE 4 TO SUB3 GO TO ADD-60.  
1750\IF RGC = "J" OR "K" OR "L" MOVE 5 TO SUB3 GO TO ADD-60.  
1760\MOVE 6 TO SUB3.  
1770:ADD-60.  
1780\IF OC = "C" GO TO CON-70.  
1790\ADD D TO TODOL (SUB1,SUB2,SUB3) TODOL (SUB1,SUB2,7)  
1800\TODOL (SUB1,4,SUB3) TODOL (10,SUB2,SUB3) TODOL (SUB1,4,7)  
1810\TODOL (10,4,SUB3) TODOL (10,SUB2,7) TODOL (10,4,7).  
1820\GO TO READ-10.  
1830:CON-70.  
1840\ADD D TO TCDOL (SUB1,SUB2,SUB3) TCDOL (SUB1,SUB2,7)  
1850\TCDOL (SUB1,4,SUB3) TCDOL (10,SUB2,SUB3) TCDOL (SUB1,4,7)  
1860\TCDOL (10,4,SUB3) TCDOL (10,SUB2,7) TCDOL (10,4,7).  
1870\GO TO READ-10.  
1880:WRITE-80.  
1890\PERFORM MOVE-81 THRU EXIT-85 VARYING SUB1 FROM 1 BY 1 UNTIL  
1900\SUB1 > 9 AFTER SUB2 FROM 1 BY 1 UNTIL SUB2 > 3.  
1910\PERFORM GEN-9 THRU GEN-100 VARYING SUB1 FROM 1 BY 1 UNTIL  
1920\SUB1 > 10 AFTER SUB2 FROM 1 BY 1 UNTIL SUB2 > 4.  
1930\IF HFY = "ZZ" GO TO END-110.  
1940\MOVE FY TO HFY.  
1950\PERFORM MOVE-5.  
1960\GO TO CUS-30.  
1970:GEN-90.  
1990\IF SUB1 = 1 GO TO GEN-100.  
2000\IF SUB2 = 1 ADD 1 TO LOC,  
2010:GEN-100.  
2020\GENERATE OL.  
2030\GENERATE CL.  
2040:END-110.  
2050\MOVE INCNT TO DISCNT.  
2060\DISPLAY "NO. OF REC READ = " DISCNT.  
2070\MOVE NOCNT TO DISCNT.  
2080\DISPLAY "NO. OF STRANGE DRAW CODES = " DISCNT.  
2090\TERMINATE TOT-REPORT.  
2100\CLOSE INFILE OTFILE PROFILE REQFILE.  
2110\STOP RUN.  
2120:MOVE-81.8  
2130\IF HFY = "ZZ" MOVE FY TO PFY RFY GO TO CHECK-82.  
2140\MOVE HFY TO PFY RFY.  
2150:CHECK-82.  
2160\MOVE CUST (SUB1) TO PCUS RCUS.  
2170\MOVE DRAB (SUB2) TO PDRAW RDRAW.  
2180:ORG-83.  
2190\MOVE "O" TO POC ROC.  
2200\COMPUTE CUSTOT = TODOL (SUB1,4,7) + TCDOL (SUB1,4,7).  
2210\COMPUTE DRAWTOT = TODOL (SUB1,SUB2,7) + TCDOL (SUB1,SUB2,7).  
2220\COMPUTE PERDRAW ROUNDED = DRAWTOT / CUSTOT.  
2230\COMPUTE PEROC ROUNDED = TODOL (SUB1,SUB2,7) / DRAWTOT.  
2240\COMPUTE PACFT ROUNDED = TODOL (SUB1,SUB2,1) /  
2250\TODOL (SUB1,SUB2,7).  
2260\COMPUTE PHISS ROUNDED = TODOL (SUB1,SUB2,2) /  
2270\TODOL (SUB1,SUB2,7).  
2280\COMPUTE PENG ROUNDED = TODOL (SUB1,SUB2,3) /  
2290\TODOL (SUB1,SUB2,7).  
2300\COMPUTE POMEI ROUNDED = TODOL (SUB1,SUB2,4) /  
2310\TODOL (SUB1,SUB2,7).  
2320\COMPUTE PECH ROUNDED = TODOL (SUB1,SUB2,5) /  
2330\TODOL (SUB1,SUB2,7).

2340\COMPUTE PABM ROUNDED = TODOL (SUB1,SUB2,6) /  
2350\TODOL (SUB1,SUB2,7),  
2360\WRITE OTREC FROM PREC,  
2370\ADD 1 TO OTCNT.  
2380\MOVE TODOL (SUB1,SUB2,1) TO RACFT,  
2390\MOVE TODOL (SUB1,SUB2,2) TO RMISS,  
2400\MOVE TODOL (SUB1,SUB2,3) TO RENG,  
2410\MOVE TODOL (SUB1,SUB2,4) TO ROMEI,  
2420\MOVE TODOL (SUB1,SUB2,5) TO REXCH,  
2430\MOVE TODOL (SUB1,SUB2,6) TO RABM,  
2440\WRITE RQREC FROM RQREC,  
2450:COM-84.  
2460\MOVE "C" TO POC ROC,  
2470\COMPUTE PEROC ROUNDED = TCDOL (SUB1,SUB2,7) / DRAWTOT,  
2480\COMPUTE PACFT ROUNDED = TCDOL (SUB1,SUB2,1) /  
2490\TCDOL (SUB1,SUB2,7).  
2500\COMPUTE PMISS ROUNDED = TCDOL (SUB1,SUB2,2) /  
2510\TCDOL (SUB1,SUB2,1),  
2520\COMPUTE PENG ROUNDED = TCDOL (SUB1,SUB2,3) /  
2530\TCDOL (SUB1,SUB2,1),  
2540\COMPUTE POMET ROUNDED = TCDOL (SUB1,SUB2,4) /  
2550\TCDOL (SUB1,SUB2,1).  
2560\COMPUTE PEXCH ROUNDED = TCDOL (SUB1,SUB2,5) /  
2570\TCDOL (SUB1,SUB2,1).  
2580\COMPUTE PABM ROUNDED = TCDOL (SUB1,SUB2,6) /  
2590\TCDOL (SUB1,SUB2,1).  
2600\WRITE OTREC FROM PREC,  
2610\ADD 1 TO OTCNT.  
2620\MOVE TCDOL (SUB1,SUB2,1) TO RACFT,  
2630\MOVE TCDOL (SUB1,SUB2,2) TO RMISS,  
2640\MOVE TCDOL (SUB1,SUB2,3) TO RENG,  
2650\MOVE TCDOL (SUB1,SUB2,4) TO ROMEI,  
2660\MOVE TCDOL (SUB1,SUB2,5) TO REXCH,  
2670\MOVE TCDOL (SUB1,SUB2,6) TO RABM,  
2680\WRITE RQPEC FROM RQREC,  
2690:EXIT-85.  
2700\EXIT.  
2710\$:ENDJOB

APPENDIX A.5

PROGRAM LISTINGS - MODALL.R - MODALL.S

CATALOG/FILE DESCRIPTION= RCS/MODALL.R

010#N,R(AC)  
020\$:IDENT:WP0955, LORER(81) CJW 72751 MODALL.R  
030\$:LIMITS:15,,,9K  
040\$:OPTION:NOMAP  
050\$:GMAP:NDECK  
060:600SM  
070:SORT:FCB,,8  
080:FIELD:(C5)  
090:SEQ:(A1)  
100:FILCB:FCB,\*\*,2  
110:END  
120\$:EXECUTE  
130\$:LIMITS:15,,,2K  
140\$:PRMFL:SA,R,S,RCS/REQPER  
150\$:FILE:S1,S1R,2 R  
160\$:FILE:S2,S2R,2 R  
170\$:FILE:S3,S3P,2 R  
180\$:FILE:SZ,A1S,2 L  
190\$:OPTION:NOMAP  
200\$:GMAP:NDECK  
210:600SM  
220:SORT:FCB,,9  
230:FIELD:(C5)  
240:SEQ:(A1)  
250:FILCB:FCB,\*\*,2  
260:END  
270\$:EXECUTE  
280\$:LIMITS:15,,,2K  
290\$:PRMFL:SA,R,S,RCS/REQDOL  
300\$:FILE:S1,S1R,2 R  
310\$:FILE:S2,S2R,2 R  
320\$:FILE:S3,S3R,2 R  
330\$:FILE:SZ,A2S,2 L  
340\$:OPTION:NOMAP  
350\$:GMAP:NDECK  
360:600SM  
370:SOFT:FCB,,1  
380:FIELD:(C2)  
390:SEQ:(A1)  
400:FILCB:FCB,\*\*,2  
410:END  
420\$:EXECUTE  
430\$:LIMITS:15,,,2K  
440\$:PRMFL:SA,R,S,RCS/PFILE  
450\$:FILE:S1,S1R,1R  
460\$:FILE:S2,S2P,1R  
470\$:FILE:SZ,A3S,1L  
480\$:OPTION:NOMAP  
490\$:GMAP:NDECK  
500:600SH  
510:SORT:FCB,,9  
520:FIELD:(C4,C2,C1,C21,C2,C2,C3,C1,C4,C1,C12,C1)  
530:SEQ:(A2,A12,A10,A8,A3,A5)  
540:FILCB:FCB,\*\*,2  
550:END  
560\$:EXECUTE  
570\$:LIMITS:15,,,2K

580\$ :TAPE:SA,X1DD,,74709,,MODRAN  
590\$ :FILE:S1,S1R,30R  
600\$ :FILE:S2,S2R,30R  
610\$ :FILE:S3,S3R,30R  
620\$ :FILE:S2,A4S,30L  
630\$ :UTILITY  
640\$ :FUTIL:AA,,REW/AA,,DDUMP/50R,,REW/AA,,/  
650\$ :FILE:AA,A4S,30L  
660\$ :OPTION:COBOL,NOMAP  
670\$ :SELECT:RCS/MODALL.O  
680\$ :EXECUTE  
690\$ :LIMITS:15,18K,,2K  
700\$ :FILE:AA,A1R,20L  
710\$ :FILE:AB,A4R,30L  
720\$ :FILE:AC,A3R,1L  
730\$ :PRMFL:AD,R,S,RCS/MODPUT  
740\$ :FILE:AE,A2R,20L  
750\$ :FILE:AF,A5R,20L  
760\$ :TAPE:AG,X2DD,,74762,,MODRAN/RING  
770\$ :ENDJOB

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CATALOG/FILE DESCRIPTION= RCS/MODALL.S

0010##N,R(AC) : ,8,16;\,,12,30  
0020\$:IDENT:WP0955,LORER(81) CJW 72751 MODALL.S  
0030\$:LIMITS:15,,,9K  
0040\$:OPTION:NOMAP  
0050\$:COBOL:DECK  
0060\$:PRMFL:C\*,W,S,RCs/MODALL.O  
0070:IDENTIFICATION DIVISION.  
0080:PROGRAM-ID. MODALL.  
0090:ENVIRONMENT DIVISION.  
0100:CONFIGURATION SECTION.  
0110:SPECIAL-NAMES.  
0120\COMPILE ERRORS.  
0130:FILE CONTROL.  
0140\SELECT PERFILE ASSIGN TO AA.  
0150\SELECT MODFILE ASSIGN TO AB.  
0160\SELECT PRIFILE ASSIGN TO AC.  
0170\SELECT DOLFILE ASSIGN TO AD.  
0180\SELECT REQFILE ASSIGN TO AE.  
0190\SELECT TEMFILE ASSIGN TO AF.  
0200\SELECT ALLFILE ASSIGN TO AG.  
0210:I-O-CONTROL.  
0220\APPLY STANDARD ON PERFILE MODFILE PRIFILE TEMFILE  
0230\ALLFILE DOLFILE REQFILE.  
0240:DATA DIVISION.  
0250:FILE SECTION.  
0260:FD PERFILE  
0270\LABEL RECORD STANDARD.  
0280:01 PERREC\PIC X(48).  
0290:FD MODFILE  
0300\LABEL RECORD STANDARD.  
0310:01 MODREC\PIC X(54).  
0320:FD PRIFILE  
0330\LABEL RECORD STANDARD.  
0340:01 PRIREC\PIC X(6).  
0350:FD TEMFILE  
0360\LABEL RECORD STANDARD.  
0370:01 TEMREC\PIC X(66).  
0380:FD ALLFILE  
0390\LABEL RECORD STANDARD.  
0400:01 ALLREC\PIC X(66).  
0410:FD DOLFILE  
0420\LABEL RECORD STANDARD.  
0430:01 DOLREC\PIC X(74).  
0440:FD REQFILE  
0450\LABEL RECORD STANDARD.  
0460:01 REQREC\PIC X(54).  
0470:WORKING-STORAGE SECTION.  
0480:77 PERCNT\PIC 9(7) VALUE 0 COMP-1.  
0490:77 MODCNT\PIC 9(7) VALUE 0 COMP-1.  
0500:77 TEHCNT\PIC 9(7) VALUE 0 COMP-1.  
0510:77 ALLCNT\PIC 9(7) VALUE 0 COMP-1.  
0520:77 REQCNT\PIC 9(7) VALUE 0 COMP-1.  
0530:77 DISCNT\PIC Z(6)9.  
0540:77 RFLAG\PIC 9 VALUE 0.  
0550:77 SUB1\PIC 99 VALUE 0 COMP-1.  
0560:77 SUB2\PIC 99 VALUE 0 COMP-1.  
0570:77 SUB3\PIC 99 VALUE 0 COMP-1.

0580:77 EFLAG\PIC 9 VALUE 0.  
0590:77 HCUS\PIC XXX.  
0600:77 HWBS23\PIC XX.  
0610:77 HDRAW\PIC X.  
0620:77 HOC\PIC X.  
0630:77 HRGC\PIC X.  
0640:77 LFLAG\PIC 9 VALUE 0.  
0650:77 PERCENT\PIC 9V9999 COMP.  
0660:77 CUS-H PIC XXX VALUE " ".  
0670:77 FUDGE\PIC 999V9999 COMP.  
0680:77 FUD\PIC 999V9999.  
0690:77 FLAG\PIC 9 VALUE 0.  
0700:77 DRDRAW\PIC 9(7) COMP-1.  
0710:77 ODOC\PIC 9(7) COMP-1.  
0720:77 S-1\PIC ZZ9.  
0730:77 S-2\PIC ZZ9.  
0740:77 S-3\PIC ZZ9.  
0750:77 COUNTER\PIC 9(3) VALUE 0 COMP-1.  
0760:77 PPTR\PIC 9(6) VALUE 0 COMP-1.  
0770:77 PPTRX\PIC 9(6) VALUE 1 COMP-1.  
0780:77 PPTRD\PIC 9(6).  
0790:77 HCUSS\PIC 9.  
0800:77 TEMTOT PIC 9(7) COMP-1 VALUE 0.  
0810:77 FUDTOT PIC 9(7) COMP-1 VALUE 0.  
0820:77 TWM-VAL PIC 9(7) COMP-1 VALUE 0.  
0830:77 FUDSUM PIC 9(8) VALUE 0.  
0840:77 ALLOC PIC 9(8) COMP-1 VALUE 0.  
0850:77 ALLOC-D PIC Z(7)9.  
0860:77 REQ100 PIC 9(8) COMP-1 VALUE 0.  
0870:77 REQ90 PIC 9(8) COMP-1 VALUE 0.  
0880:77 REQ85 PIC 9(8) COMP-1 VALUE 0.  
0890:77 REQ80 PIC 9(8) COMP-1 VALUE 0.  
0900:77 REQ75 PIC 9(8) COMP-1 VALUE 0.  
0910:77 MREQ100 PIC 9(8) COMP-1 VALUE 0.  
0920:77 MREQ90 PIC 9(8) COMP-1 VALUE 0.  
0930:77 MREQ85 PIC 9(8) COMP-1 VALUE 0.  
0940:77 MREQ80 PIC 9(8) COMP-1 VALUE 0.  
0950:77 MREQ75 PIC 9(8) COMP-1 VALUE 0.  
0960:77 TREQ PIC 9(8) COMP-1 VALUE 0.  
0970:77 MTREQ PIC 9(8) COMP-1 VALUE 0.  
0980:77 X0 PIC 999V9999 COMP VALUE 0.  
0990:77 X1 PIC 999V9999 COMP VALUE 0.  
1000:77 X2 PIC 999V9999 COMP VALUE 0.  
1010:77 X3 PIC 999V9999 COMP VALUE 0.  
1020:77 X4 PIC 999V9999 COMP VALUE 0.  
1030:77 X0-D PIC Z49.9999.  
1040:77 X1-D PIC ZZ9.9999.  
1050:77 X2-D PIC Z49.9999.  
1060:77 X3-D PIC ZZ9.9999.  
1070:77 X4-D PIC ZZ9.9999.  
1080:77 REQ100-D PIC Z(7)9.  
1090:77 REQ90-D PIC Z(7)9.  
1100:77 REQ85-D PIC Z(7)9.  
1110:77 REQ80-D PIC Z(7)9.  
1120:77 REQ75-D PIC Z(7)9.  
1130:77 MREQ100-D PIC Z(7)9.  
1140:77 MREQ90-D PIC Z(7)9.  
1150:77 MREQ85-D PIC Z(7)9.  
1160:77 MREQ80-D PIC Z(7)9.  
1170:77 MREQ75-D PIC Z(7)9.

1180:77 TREQ-D PIC Z(7)9.  
1190:77 MTREQ-D PIC Z(7)9.  
1200:01 PREC.  
1210: 03 PFY PIC XX.  
1220: 03 PCUS PIC XXX.  
1230: 03 PDRAW PIC X.  
1240\03 FERDRAW\PIC 9V9(4).  
1250\03 POC\PIC X.  
1260\03 PEFOC\PIC 9V9(4).  
1270\03 PACFT\PIC 9V9(4).  
1280\03 PMISS\PIC 9V9(4).  
1290\03 PENG\PIC 9V9(4).  
1300\03 POMEI\PIC 9V9(4).  
1310\03 PEXCH\PIC 9V9(4).  
1320\03 PARH\PIC 9V9(4).  
1330\03 FILLER\PIC X.  
1340:01 PRTAB.  
1350\03 PR-NTRY OCCURS 60 TIMES.  
1360\ 05 PRW23\PIC XX.  
1370\ 05 PR123\PIC 99.  
1380:01 MREC.  
1390: 02 T1.  
1400\03 FILLER\PIC X(4).  
1410\03 FY\PIC XX.  
1420\03 RGCG\PIC X.  
1430\03 FILLER\PIC X(2).  
1440\03 WBS.  
1450\ 05 FILLER\PIC X.  
1460\ 05 WBS23\PIC XX.  
1470\ 05 FILLER\PIC XX.  
1480\03 CUS\PIC XXX.  
1490\03 OC\PIC X.  
1500\03 FILLER\PIC X(4).  
1510\03 DRAW\PIC X.  
1520\03 D\PIC 9(7).  
1530\03 FILLER\PIC X(5).  
1540: 02 CUSS\PIC 9.  
1550:01 PRREC.  
1560\03 PRWBS23\PIC XX.  
1570\03 FILLER\PIC X.  
1580\03 PRIN\PIC 99.  
1590\03 FILLER\PIC X.  
1600:01 TREC.  
1610: 02 T1.  
1620\03 FILLER\PIC X(4).  
1630\03 TFY\PIC XX.  
1640\03 TRGC\PIC X.  
1650\03 FILLER\PIC X(2).  
1660\03 TWBS.  
1670\ 05 FILLER\PIC X.  
1680\ 05 TBBS23\PIC XX.  
1690\ 05 FILLER\PIC XX.  
1700\03 TCUS\PIC XXX.  
1710\03 TOC\PIC X.  
1720\03 FILLER\PIC X(4).  
1730\03 TDRAW\PIC X.  
1740\03 TD\PIC 9(7).  
1750\03 FILLER\PIC X(5).  
1760: 02 TP\PIC 99.  
1770: 02 TDALL\PIC 9(1). A.5-5

1780: 02 FILLER\PIC XXX,  
1790: 02 TCUSS\PIC X,  
1800:01 ROREC.  
1810\03 RFY\PIC XX,  
1820\03 RCUS\PIC XXX,  
1830\03 RDRAW\PIC X,  
1840\03 ROC\PIC X,  
1850\03 RACFT\PIC 9(7),  
1860\03 RMISS\PIC 9(7),  
1870\03 RENG\PIC 9(7),  
1880\03 ROMEI\PIC 9(7),  
1890\03 REXCH\PIC 9(7),  
1900\03 RAHM\PIC 9(7),  
1910\03 FILLER\PIC X(5).  
1920:01 REQTAB.  
1930: 02 FOCUS OCCURS 9,  
1940\03 RODRAW OCCURS 3,  
1950\ 05 RDOC OCCURS 2,  
1960\ 07 ROA\PIC 9(7),  
1970\ 07 RDM\PIC 9(7),  
1980\ 07 RQE\PIC 9(7),  
1990\ 07 RQDM\PIC 9(7),  
2000\ 07 RQEX\PIC 9(7),  
2010\ 07 RQAB\PIC 9(7),  
2020:01 AREC.  
2030: 02 A1,  
2040\03 FILLEP\PIC X(4),  
2050\03 AFY\PIC XX,  
2060\03 ARGC\PIC X,  
2070\03 FILLER\PIC X(2),  
2080\03 AWBS,  
2090\ 05 FILLER\PIC X,  
2100\ 05 AWBS23\PIC XX,  
2110\ 05 FILLER\PIC XX,  
2120\03 ACUS\PIC XXX,  
2130\03 AOC\PIC X,  
2140\03 FILLER\PIC X(2),  
2150\03 ADRAW\PIC X,  
2160\03 AD\PIC 9(7),  
2170\03 FILLER\PIC X(5),  
2180: 02 AP\PIC 99,  
2190: 02 ADALL\PIC 9(7),  
2200: 02 FILLER\PIC XXX,  
2210: 02 ACUSS\PIC X,  
2220:01 DTAB.  
2230: 02 DCUS OCCURS 9,  
2240\03 DDRAW OCCURS 3,  
2250\ 05 DOC OCCURS 2,  
2260\ 07 DA\PIC 9(7),  
2270\ 07 DM\PIC 9(7),  
2280\ 07 DEN\PIC 9(7),  
12 2290\ 07 DOM\PIC 9(7),  
11 2300\ 07 DEX\PIC 9(7),  
10 2310\ 07 DAB\PIC 9(7),  
9 2320:01 DIFTAB.  
8 2330: 02 D1 OCCURS 9,  
7 2340\03 D2 OCCURS 3,  
6 2350\ 05 D3 OCCURS 2,  
5 2360\ 07 DIFDA\PIC S9(7). A.5-6  
4 2370\ 07 DIFDH\PIC S9(7).

2380\ 07 DIFDEN\PIC S9(7),  
2390\ 07 DIFDOM\PIC S9(7),  
2400\ 07 DIFDEX\PIC S9(7),  
2410\ 07 DIFDAB\PIC S9(7),  
2420:01 CUSTAB,  
2430\03 FILLER\PIC X(27) VALUE  
2440\ "AFRANGDA DAFFN MACMAPSYSOTH",  
2450:01 CTAB REDEFINES CUSTAB,  
2460\03 CUST\PIC XXX OCCURS 9,  
2470:01 CDOLTAB,  
2480\03 CUSTDOL\PIC 9(1) OCCURS 9,  
2490:01 DRHC.  
2500\03 DFY\PIC XX,  
2510\03 DBUD\PIC 9(7),  
2520\03 DAFFR\PIC 9(7),  
2530\03 DANG\PIC 9(7),  
2540\03 DDA\PIC 9(7),  
2550\03 DDAF\PIC 9(7),  
2560\03 DDN\PIC 9(7),  
2570\03 DMAC\PIC 9(7),  
2580\03 DMAP\PIC 9(7),  
2590\03 DSYS\PIC 9(7),  
2600\03 DOTH\PIC 9(7),  
2610:PROCEDURE DIVISION,  
2620:START-0.  
2630\OPEN INPUT PERFILE MODFILE DOLFILE REQFILE.  
2640\OPEN OUTPUT TEMPFILE ALLFILE.  
2650:MOVE-5.  
2660\MOVE ZERO TO DTAB DIFTAB.  
2670\MOVE ZERO TO REQTAB.  
2680:OPEN-6.  
2690\OPEN INPUT PRFILE.  
2700:READ-7.  
2710\READ PRFILE AT END GO TO CLOSE-8.  
2720\MOVE PRIREC TO PRREC.  
2730\ADD 1 TO PPTR.  
2740\MOVE PRWBS23 TO PRW23 (PPTR).  
2750\MOVE PRI TO PRI23 (PPTR).  
2760\GO TO READ-7.  
2770:CLOSE-8.  
2780\CLOSE PRFILE.  
2790\MOVE PPTR TO PPTRD.  
2800\DISPLAY " EOF ON PRFILE = " PPTRD.  
2810:READ-10.  
2820\READ DOLFILE AT END GO TO READ-20.  
2830\MOVE DOLREC TO DRHC.  
2840\MOVE DAFFR TO CUSTDOL (1),  
2850\MOVE DANG TO CUSTDOL (2),  
2860\MOVE DDA TO CUSTDOL (3),  
2870\MOVE DDAF TO CUSTDOL (4),  
2880\MOVE DDN TO CUSTDOL (5),  
12 2890\MOVE DMAC TO CUSTDOL (6),  
11 2900\MOVE DMAP TO CUSTDOL (7),  
10 2910\MOVE DSYS TO CUSTDOL (8),  
9 2920\MOVE DOTH TO CUSTDOL (9),  
8 2930:READ-20.  
7 2940\READ PERFILE AT END GO TO READ-80,  
6 2950\ADD 1 TO PERCNT.  
5 2960\MOVE PERREC TO PREC,  
4 2970:IF-30.

2980\IF DFY NOT = PFY AND EFLAG = 1 MOVE 0 TO EFLAG  
2990\GO TO READ-80.  
3000\IF DFY NOT = PFY GO TO READ-20.  
3010\IF EFLAG = 1 GO TO CHECK-40.  
3020\MOVE 1 TO EFLAG.  
3030:SUB1-35.  
3040\MOVE 1 TO SUB1.  
3050:CHECK-40.  
3060\IF PCUS = CUST (SUB1) GO TO PDRAW-50.  
3070\IF PCUS = "OTH" MOVE 9 TO SUB1 GO TO CHECK-40.  
3080\IF PCUS = "SYS" MOVE 8 TO SUB1 GO TO CHECK-40.  
3090\ADD 1 TO SUB1.  
3100\MOVE SUB1 TO S-1.  
3110\IF SUB1 > 9 DISPLAY "BAD CUS IN PROFILE" PCUS  
3120\" PREC = " PRMC S-1 GO TO END-440.  
3130\GO TO CHECK-40.  
3140:PDRAW-50.  
3150\IF PDRAW = "D" MOVE 1 TO SUB2 GO TO POC-60.  
3160\IF PDRAW = "R" MOVE 2 TO SUB2 GO TO POC-60.  
3170\MOVE 3 TO SUB2.  
3180:POC-60.  
3190\IF POC = "O" MOVE 1 TO SUB3 ELSE  
3200\MOVE 2 TO SUB3.  
3210:PCALC-70.  
3220\MULTIPLY PERDRAW BY CUSTDOL (SUB1) GIVING  
3230\DRDRAW ROUNDED.  
3240\MULTIPLY PEROC BY DRDRAW GIVING ODOC ROUNDED.  
3250\MULTIPLY PACFT BY ODOC GIVING DA (SUB1,SUB2,SUB3)  
3260\ROUNDED.  
3270\MULTIPLY PMISS BY ODOC GIVING DM (SUB1,SUB2,SUB3)  
3280\ROUNDED.  
3290\MULTIPLY PENG BY ODOC GIVING DEN (SUB1,SUB2,SUB3)  
3300\ROUNDED.  
3310\MULTIPLY POMEI BY ODOC GIVING DOM (SUB1,SUB2,SUB3)  
3320\ROUNDED.  
3330\MULTIPLY PEXCH BY ODOC GIVING DEX (SUB1,SUB2,SUB3)  
3340\ROUNDED.  
3350\MULTIPLY PAEM BY ODOC GIVING DAB (SUB1,SUB2,SUB3)  
3360\ROUNDED.  
3370\GO TO READ-20.  
3380:READ-80.  
3390\READ REQFILE AT END GO TO READ-100.  
3400\ADD 1 TO REQCNT.  
3410\MOVE REQREC TO RQREC.  
3420\IF DFY NOT = PFY GO TO READ-80.  
3430:PER-90.  
3440\MOVE RCUS TO CUS MOVE RDRAW TO DRAW,  
3450\MOVE ROC TO OC.  
3460\PERFORM CUS-130 THRU OC-150.  
3470\MOVE RACFT TO RQA (SUB1,SUB2,SUB3).  
3480\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3.  
3490\DISPLAY " DA/RQA " S-1 " S-2 " S-3 " "  
3500\ DA (SUB1,SUB2,SUB3) " " RQA (SUB1,SUB2,SUB3).  
3510\MOVE RMISS TO RQM (SUB1,SUB2,SUB3).  
3520\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3.  
3530\DISPLAY " DM/RQM " S-1 " S-2 " S-3 " "  
3540\ DM (SUB1,SUB2,SUB3) " " RQM (SUB1,SUB2,SUB3).  
3550\MOVE RENG TO RQEN (SUB1,SUB2,SUB3).  
3560\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3.  
3570\DISPLAY "DEN/RQEN " S-1 " S-2 " S-3 " "

3580\ DEN (SUB1,SUB2,SUB3) " " RQEN (SUB1,SUB2,SUB3),  
 3590\MOVE ROMEI TO RQOM (SUB1,SUB2,SUB3),  
 3600\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3.  
 3610\DISPLAY "DOM/RQOM " S-1 " S-2 " S-3 "  
 3620\ DOM (SUB1,SUB2,SUB3) " " RQOM (SUB1,SUB2,SUB3),  
 3630\MOVE FEXCH TO RQEX (SUB1,SUB2,SUB3),  
 3640\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3.  
 3650\DISPLAY "DEX/RQEX " S-1 " S-2 " S-3 "  
 3660\ DEX (SUB1,SUB2,SUB3) " " RQEX (SUB1,SUB2,SUB3),  
 3670\MOVE RABM TO RQAB (SUB1,SUB2,SUB3).  
 3680\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3.  
 3690\DISPLAY "DAB/RQAB " S-1 " S-2 " S-3 "  
 3700\ DAB (SUB1,SUB2,SUB3) " " RQAB (SUB1,SUB2,SUB3),  
 3710\GO TO READ-80.  
 3720:READ-100.  
 3730\READ MODFILE AT END GO TO CHECK-430.  
 3740\ADD 1 TO MODCNT.  
 3750\MOVE MODREC TO MREC.  
 3760: IF CUS NOT = CUS-H MOVE MODCNT TO DISCNT  
 3770: DISPLAY "CUS CHG " CUS-H ." CUS " AT " DISCNT  
 3780: MOVE CUS TO CUS-H.  
 3790:IF-110.  
 3800\IF FY NOT = DFY AND EFLAG = 1 GO TO END-440.  
 3810\IF FY NOT = DFY GO TO READ-80.  
 3820\MOVE 1 TO EFLAG.  
 3830\IF MODCNT = 1 MOVE CUS TO HCUS MOVE CUSS TO HCUSS  
 3840\MOVE VBS23 TO HWBS23 MOVE DRAW TO HDRAW  
 3850\MOVE OC TO HOC MOVE RGC TO HRGC.  
 3860:CHECK-120.  
 3870\IF CUSS NOT = HCUSS AND LFLAG = 1 GO TO REW-320.  
 3880\IF DRAW NOT = HDRAW AND LFLAG = 1 GO TO REW-320.  
 3890\IF OC NOT = HOC AND LFLAG = 1 GO TO REW-320.  
 3900\IF CUSS NOT = HCUSS OR DRAW NOT = HDRAW OR OC NOT = HOC  
 3910::MOVE CUSS TO HCUSS MOVE DRAW TO HDRAW MOVE OC TO HOC.  
 3920\IF (RGC NOT = "A" AND "B") AND RFLAG = 1 GO TO REW-320.  
 3930\IF (RGC NOT = "C" AND "D") AND RFLAG = 2 GO TO REW-320.  
 3940\IF (RGC NOT = "E" AND "F") AND RFLAG = 3 GO TO REW-320.  
 3950\IF (RGC NOT = "G" AND "H") AND RFLAG = 4 GO TO REW-320.  
 3960\IF (RGC NOT = "J" AND "K" AND "L") AND RFLAG = 5  
 3970\GO TO REW-320.  
 3980\IF (RGC NOT = "M" AND "N" AND "P" AND "R" AND "S") AND  
 3990\RFLAG = 6 GO TO REW-320.  
 4000:CUS-130.  
 4010\IF FLAG = 1 GO TO END-440.  
 4020\IF CUS = "AFR" MOVE 1 TO SUB1 GO TO DRAW-140,  
 4030\IF CUS = "ANG" MOVE 2 TO SUB1 GO TO DRAW-140,  
 4040\IF CUS = "DA" MOVE 3 TO SUB1 GO TO DRAW-140,  
 4050\IF CUS = "DAF" MOVE 4 TO SUB1 GO TO DRAW-140,  
 4060\IF CUS = "DN" MOVE 5 TO SUB1 GO TO DRAW-140,  
 4070\IF CUS = "MAC" MOVE 6 TO SUB1 GO TO DRAW-140,  
 4080\IF CUS = "MAP" MOVE 7 TO SUB1 GO TO DRAW-140,  
 4090\IF CUS = "SYS" MOVE 8 TO SUB1 GO TO DRAW-140,  
 4100\MOVE 9 TO SUB1.  
 4110:DRAW-140.  
 4120\IF DRAW = "D" MOVE 1 TO SUB2 GO TO OC-150,  
 4130\IF DRAW = "R" MOVE 2 TO SUB2 GO TO OC-150,  
 4140\MOVE 3 TO SUB2.  
 4150:OC-150.  
 4160\IF OC = "O" MOVE 1 TO SUB3 ELSE MOVE 2 TO SUB3.  
 4170:COMPARE-160.

4180\IF RGC = "A" OR "B" GO TO ACFT-170.  
4190\IF RGC = "C" OR "D" GO TO MISS-180.  
4200\IF RGC = "E" OR "F" GO TO ENG-190.  
4210\IF RGC = "G" OR "H" GO TO OMEI-200.  
4220\IF RGC = "J" OR "K" OR "L" GO TO EXCH-210.  
4230\IF DAB (SUB1,SUB2,SUB3) < RQAB (SUB1,SUB2,SUB3)  
4240\GO TO LESS-230 ELSE GO TO SURP-220.  
4250:ACFT-170.  
4260\IF DA (SUB1,SUB2,SUB3) < RQA (SUB1,SUB2,SUB3)  
4270\GO TO LESS-230 ELSE GO TO SURP-220.  
4280:MISS-180.  
4290\IF DM (SUB1,SUB2,SUB3) < RQM (SUB1,SUB2,SUB3)  
4300\GO TO LESS-230 ELSE GO TO SURP-220.  
4310:ENG-190.  
4320\IF DEM (SUB1,SUB2,SUB3) < RQEN (SUB1,SUB2,SUB3)  
4330\GO TO LESS-230 ELSE GO TO SURP-220.  
4340:OMEI-200.  
4350\IF DOM (SUB1,SUB2,SUB3) < RQDM (SUB1,SUB2,SUB3)  
4360\GO TO LESS-230 ELSE GO TO SURP-220.  
4370:EXCH-210.  
4380\IF DEX (SUB1,SUB2,SUB3) < RQEX (SUB1,SUB2,SUB3)  
4390\GO TO LESS-230.  
4400:SURP-220.  
4410\MOVE M1 TO A1.  
4420\MOVE CUSS TO ACUSS.  
4430\MOVE D TO ADALL.  
4440\PERFORM OPEN-240 THRU EXIT-280.  
4450\WRITE ALLREC FROM AREC.  
4460\ADD 1 TO ALLCNT.  
4470\GO TO READ-10.  
4480:LESS-230.  
4490\MOVE 1 TO LFLAG.  
4500:OPEN-240.  
4510\IF WBS23 = PRW23 (PPTRX) MOVE PRI23 (PPTRX) TO AP TP  
4520\GO TO EXIT-28.  
4530\MOVE 1 TO PPTRX.  
4540:CHK-250.  
4550\IF WBS23 = PRW23 (PPTRX) MOVE PRI23 (PPTRX) TO AP TP  
4560\GO TO EXIT-28.  
4570\ADD 1 TO PPTRX.  
4580\IF PPTRX > PPTR GO TO MOVE-260.  
4590\GO TO CHK-250.  
4600:MOVE-260.  
4610\MOVE 60 TO AP TP.  
4620:EXIT-280.  
4630\EXIT.  
4640:IF-290.  
4650\IF TP NOT < 1 AND TP NOT > 14 MOVE 1.0 TO PERCENT  
4660\GO TO MOVE-30.  
4670\IF TP NOT < 15 AND TP NOT > 25 MOVE 0.9 TO PERCENT  
4680\GO TO MOVE-30.  
4690\IF TP NOT < 26 AND TP NOT > 33 MOVE 0.85 TO PERCENT  
4700\GO TO MOVE-30.  
4710\IF TP NOT < 34 AND TP NOT > 46 MOVE 0.8 TO PERCENT  
4720\GO TO MOVE-30.  
4730\MOVE 0.75 TO PERCENT.  
4740:MOVE-300.  
4750\MOVE M1 TO T1.  
4760\MOVE CUSS TO TCUSS.  
4770:RGC-310.

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4780\IF RGC = "A" OR "B" MOVE 1 TO RFLAG
4790\COMPUTE TDALL ROUNDED = PERCENT * D
4800\COMPUTE DIFDA (SUB1,SUB2,SUB3) = DIFDA (SUB1,SUB2,SUB3)
4810\+ TDALL WRITE TEMREC FROM TREC ADD 1 TO TEMCNT
4820\GO TO P315-ADD.
4830\IF RGC = "C" OR "D" MOVE 2 TO RFLAG
4840\COMPUTE TDALL ROUNDED = PERCENT * D
4850\COMPUTE DIFDM (SUB1,SUB2,SUB3) = DIFDM (SUB1,SUB2,SUB3)
4860\+ TDALL WRITE TEMREC FROM TREC ADD 1 TO TEMCNT
4870\GO TO P315-ADD.
4880\IF RGC = "E" OR "F" MOVE 3 TO RFLAG
4890\COMPUTE TDALL ROUNDED = PERCENT * D
4900\COMPUTE DIFDEN (SUB1,SUB2,SUB3) = DIFDEN (SUB1,SUB2,SUB3)
4910\+ TDALL WRITE TEMREC FROM TREC ADD 1 TO TEMCNT
4920\GO TO P315-ADD.
4930\IF RGC = "G" OR "H" MOVE 4 TO RFLAG
4940\COMPUTE TDALL ROUNDED = PERCENT * D
4950\COMPUTE DIFDOM (SUB1,SUB2,SUB3) = DIFDOM (SUB1,SUB2,SUB3)
4960\+ TDALL WRITE TEMREC FROM TREC ADD 1 TO TEMCNT
4970\GO TO P315-ADD.
4980\IF RGC = "J" OR "K" OR "L" MOVE 5 TO RFLAG
4990: ADD D TO TEMTOT
5000\COMPUTE TDALL ROUNDED = PERCENT * D
5010: ADD TDALL TO FUDTOT
5020\COMPUTE DIFDEX (SUB1,SUB2,SUB3) = DIFDEX (SUB1,SUB2,SUB3)
5030\+ TDALL WRITE TEMREC FROM TREC ADD 1 TO TEMCNT
5040\GO TO P315-ADD.
5050\MOVE 6 TO RFLAG.
5060\COMPUTE TDALL ROUNDED = PERCENT * D
5070\COMPUTE DIFDAB (SUB1,SUB2,SUB3) = DIFDAB (SUB1,SUB2,SUB3)
5080\+ TDALL.
5090\WRITE TEMREC FROM TREC.
5100\ADD 1 TO TEMCNT.
5110\GO TO P315-ADD.
5120:P315-ADD.
5130: IF PERCENT > .97 ADD D TO REQ100 ADD TDALL TO MREQ100
5140: GO TO READ-100.
5150: IF PERCENT > .87 ADD D TO REQ90 ADD TDALL TO MREQ90
5160: GO TO READ-100.
5170: IF PERCENT > .83 ADD D TO REQ85 ADD TDALL TO MREQ85
5180: GO TO READ-100.
5190: IF PERCENT > .77 ADD D TO REQ80 ADD TDALL TO MREQ80
5200: GO TO READ-100.
5210: IF PERCENT > .73 ADD D TO REQ75 ADD TDALL TO MREQ75
5220: GO TO READ-100.
5230: MOVE PERCENT TO PEROC.
5240: DISPLAY " PERCENT ERROR FOR FUDGE " PEROC.
5250: GO TO END-440.
5260:REV-320.
5270\CLOSE TEMFILE.
5280\OPEN INPUT TEMFILE.
5290: MOVE TEMTOT TO DISCNT.
5300: DISPLAY "S FOR TEMFILE " DISCNT.
5310: MOVE FUDTOT TO DISCNT.
5320: DISPLAY "$ TO TEMFILE " DISCNT.
5330: MOVE 0 TO TEMTOT.
5340: MOVE TEMCNT TO DISCNT.
5350: DISPLAY "RECS TO TEMFILE " DISCNT.
5360: MOVE C TO TEMCNT.
5370: MOVE 0 TO FUDTOT.      A.5-11

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5380\MOVE C TO LFLAG.
5390: MOVE REQ100 TO REQ100-D.
5400: MOVE REQ90 TO REQ90-D.
5410: MOVE REQ85 TO REQ85-D.
5420: MOVE REQ8 TO REQ80-D,
5430: MOVE REQ75 TO REQ75-D.
5440: MOVE MREQ100 TO MREQ100-D.
5450: MOVE MREQ90 TO MREQ90-D.
5460: MOVE MREQ85 TO MREQ85-D,
5470: MOVE MREQ80 TO MREQ80-D.
5480: MOVE MREQ75 TO MREQ75-D,
5490: DISPLAY " VALUES FOR FUDGE" REQ100-D REQ90-D REQ85-D REQ80-D
      REQ75-D ";
5500: " MREQ100-D MREQ90-D MREQ85-D MREQ80-D
5510: MREQ75-D.
5520:IF-330.
5530\COMPUTE COUNTER = COUNTER + 1.
5540\IF RFLAG = 1 GO TO ACFT-340.
5550\IF RFLAG = 2 GO TO MISS-350.
5560\IF RFLAG = 3 GO TO ENG-360.
5570\IF RFLAG = 4 GO TO OMEI-370.
5580\IF RFLAG = 5 GO TO EXCH-380.
5590\IF DIFDAB (SUB1,SUB2,SUB3) NOT < 0 AND
5600\DIFDAB (SUB1,SUB2,SUB3) NOT > 5 GO TO DUMP-420.
5610\COMPUTE FUDGE ROUNDED = DAB (SUB1,SUB2,SUB3) /
5620\ DIFDAB (SUB1,SUB2,SUB3).
5630\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3
5640\ MOVE FUDGE TO FUD,
5650\DISPLAY "DIFDAB/RQAB" " S-1 " " S-2 " " S-3 " "
5660\ DAB (SUB1,SUB2,SUB3) " "
5670\ DIFDAB (SUB1,SUB2,SUB3) " " RQAB (SUB1,SUB2,SUB3) " "
5680\ FUD " = FUDGE".
5690: IF FUDGE < 1. 001 GO TO READ-390.
5700: MOVE DAB (SUB1,SUB2,SUB3) TO ALLOC.
5710: GO TO P385-FUDGE.
5720:ACFT-340.
5730\IF DIFDA (SUB1,SUB2,SUB3) NOT < 0 AND
5740\DIFDA (SUB1,SUB2,SUB3) NOT > 5 GO TO DUMP-420.
5750\COMPUTE FUDGE ROUNDED = DA (SUB1,SUB2,SUB3) /
5760\ DIFDA (SUB1,SUB2,SUB3).
5770\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3
5780\ MOVE FUDGE TO FUD,
5790\DISPLAY " DIFDA/RQA " " S-1 " " S-2 " " S-3 " "
5800\ DA (SUB1,SUB2,SUB3) " "
5810\ DIFDA (SUB1,SUB2,SUB3) " " RQA (SUB1,SUB2,SUB3) " "
5820\ FUD " = FUDGE".
5830: IF FUDGE < 1. 001 GO TO READ-390.
5840: MOVE DA (SUB1,SUB2,SUB3) TO ALLOC.
5850: GO TO P385-FUDGE.
5860:MISS-350.
5870\IF DIFDM (SUB1,SUB2,SUB3) NOT < 0 AND
5880\DIFDM (SUB1,SUB2,SUB3) NOT > 5 GO TO DUMP-420.
5890\COMPUTE FUDGE ROUNDED = DM (SUB1,SUB2,SUB3) /
5900\ DIFDM (SUB1,SUB2,SUB3).
5910\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3
5920\ MOVE FUDGE TO FUD,
5930\DISPLAY " DIFDM/RQM " " S-1 " " S-2 " " S-3 " "
5940\ DM (SUB1,SUB2,SUB3) " "
5950\ DIFDM (SUB1,SUB2,SUB3) " " RQM (SUB1,SUB2,SUB3) " "
5960\ FUD " = FUDGE".
5970: IF FUDGE < 1.0001 GO TO READ-390.

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5980: MOVE DM (SUB1,SUB2,SUB3) TO ALLOC.  
 5990: GO TO P385-FUDGE.  
 6000: ENG-360.  
 6010\IF DIFDEN (SUB1,SUB2,SUB3) NOT < 0 AND  
 6020\DIFDEN (SUB1,SUB2,SUB3) NOT > 5 GO TO DUMP-420.  
 6030\COMPUTE FUDGE ROUNDED = DEN (SUB1,SUB2,SUB3) /  
 6040\ DIFDEN (SUB1,SUB2,SUB3).  
 6050\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3  
 6060\ MOVE FUDGE TO FUD.  
 6070\DISPLAY "DIFDEN/RQEN" S-1 " " S-2 " " S-3 " "  
 6080\ DEN (SUB1,SUB2,SUB3) " "  
 6090\ DIFDEN (SUB1,SUB2,SUB3) " " RQEN (SUB1,SUB2,SUB3) " "  
 6100\ FUD " = FUDGE".  
 6110: IF FUDGE < 1.001 GO TO READ-390.  
 6120: MOVE DEN (SUB1,SUB2,SUB3) TO ALLOC.  
 6130: GO TO P385-FUDGE.  
 6140: ONEI-370.  
 6150\IF DIFDOM (SUB1,SUB2,SUB3) NOT < 0 AND  
 6160\DIFDOM (SUB1,SUB2,SUB3) NOT > 5 GO TO DUMP-420.  
 6170\COMPUTE FUDGE ROUNDED = DOM (SUB1,SUB2,SUB3) /  
 6180\ DIFDOM (SUB1,SUB2,SUB3).  
 6190\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3  
 6200\ MOVE FUDGE TO FUD.  
 6210\DISPLAY "DIFDOM/RQDM" S-1 " " S-2 " " S-3 " "  
 6220\ DOM (SUB1,SUB2,SUB3) " "  
 6230\ DIFDOM (SUB1,SUB2,SUB3) " " RQDM (SUB1,SUB2,SUB3) " "  
 6240\ FUD " = FUDGE".  
 6250: IF FUDGE < 1.001 GO TO READ-390.  
 6260: MOVE DOM (SUB1,SUB2,SUB3) TO ALLOC.  
 6270: GO TO P385-FUDGE.  
 6280: EXCH-360.  
 6290\IF DIFDEX (SUB1,SUB2,SUB3) NOT < 0 AND  
 6300\DJFDEX (SUB1,SUB2,SUB3) NOT > 5 GO TO DUMP-420.  
 6310\COMPUTE FUDGE ROUNDED = DEX (SUB1,SUB2,SUB3) /  
 6320\ DIFDEX (SUB1,SUB2,SUB3).  
 6330\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3  
 6340\ MOVE FUDGE TO FUD.  
 6350\DISPLAY "DIFDEX/RQEX" S-1 " " S-2 " " S-3 " "  
 6360\ DEX (SUB1,SUB2,SUB3) " "  
 6370\ DIFDEX (SUB1,SUB2,SUB3) " " RQEX (SUB1,SUB2,SUB3) " "  
 6380: FUD " = FUDGE ".  
 6390: IF FUDGE < 1.001 GO TO READ-390.  
 6400: MOVE DEX (SUB1,SUB2,SUB3) TO ALLOC.  
 6410: P385-FUDGE.  
 6420: COMPUTE TRREQ = REQ100 + REQ90 + REQ85 + REQ80 +  
 6430: COMPUTE MTRREQ = MREQ100 + MREQ90 + MREQ85 +  
 6440: MREQ80 + MREQ75.  
 6450: MOVE TRREQ TO TRREQ-D.  
 6460: MOVE MTRREQ TO MTRREQ-D.  
 6470: MOVE ALLOC TO ALLOC-D.  
 6480: DISPLAY " TOTAL REQ " TRREQ-D " MODIFIED TOTAL REQ "  
 6490: MTRREQ-D " MAX ALLOC " ALLOC-D,  
 6500: COMPUTE X1 ROUNDED = ( ALLOC - REQ40 ) /  
 ( MREQ90 + MREQ85 + MREQ80 + MREQ75 ).  
 6510: IF X1 < 1.1111 MOVE X1 TO X0 GO TO P387-DISPLAY.  
 6520: COMPUTE X2 ROUNDED = ( ALLOC - REQ100 - REQ90 ) /  
 ( MREQ85 + MREQ80 + MREQ75 ).  
 6530: IF X2 < 1.1765 MOVE X2 TO X0 GO TO P387-DISPLAY.  
 6540: COMPUTE X3 ROUNDED = ( ALLOC - REQ100 - REQ90 - REQ85 ) /  
 ( MREQ80 + MREQ75 ).

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6580: IF X3 < 1,2500 MOVE X3 TO X0 GO TO P387-DISPLAY,
6590: COMPUTE X4 ROUNDED =
6600: ( ALLOC - REQ100 - REQ90 - REQ85 - REQ80 ) / MREQ75.
6610: IF X4 < 1,3334 MOVE X4 TO X0 GO To P387-DISPLAY,
6620: MOVE 0 TO X0.
6630:p387-DISPLAY.
6640: MOVE X0 TO X0-D.
6650: MOVE X1 TO X1-D.
6660: MOVE X2 TO X2-D.
6670: MOVE X3 TO X3-D.
6680: MOVE X4 TO X4-D.
6690: MOVE FUDGE TO FUD.
6700: DISPLAY " FUDGE = " FUD " X1=" X1-D " X2=" X2-D " X3="
X3-D " X4=" X4-D " FINAL FUDG=" X0-D,
6720: MOVE X0 TO FUDGE,
6730: IF FUDGE < 0.9999 GO TO END-440.
6740: MOVE 0 TO X0.
6750: MOVE 0 TO X1.
6760: MOVE 0 TO X2.
6770: MOVE 0 TO X3.
6780: MOVE 0 TO X4.
6790:READ-390.
6800: READ TEMFILE AT END MOVE CUS TO HCUS MOVE CUSS TO HCUSS
6810\MOVE WBS23 TO HWBS23 MOVE DRAW TO HDRAW MOVE 0 TO RFLAG
6820\MOVE OC TO HOC CLOSE TEMFILE OPEN OUTPUT TEMFILE
6830: MOVE TEMTOT TO DISCNT
6840: DISPLAY "# OF NON CHANGES AFTER FUDGE " DISCNT
6850: MOVE FUDTOT TO DISCNT
6860: DISPLAY " SUM OF NON CHANGES AFTER FUDGE " DISCNT
6870: MOVE 0 TO TEMTOT
6880: MOVE 0 TO FUDTOT
6890: MOVE 0 TO REQ100
6900: MOVE 0 TO REQ90
6910: MOVE 0 TO REQ85
6920: MOVE 0 TO REQ80
6930: MOVE 0 TO REQ75
6940: MOVE 0 TO MREQ100
6950: MOVE 0 TO MREQ90
6960: MOVE 0 TO MREQ85
6970: MOVE 0 TO MREQ80
6980: MOVE 0 TO MREQ75
6990: DISPLAY " TOTAL ALLOC TO TAPE " FUDSUM
7000: MOVE 0 TO FUDSUM
7010\GO TO CUS-130.
7020\MOVE TEMREC TO AREC.
7030: MOVE ADALL TO TWM-VAL,
7040\COMPUTE ADALL ROUNDED = ADALL * FUDGE.
7050: IF TWM-VAL = ADALL ADD 1 TO TEMTOT
7060: ADD ADALL TO FUDTOT.
7070: IF ADALL > AD MOVE AD TO ADALL,
7080: ADD ADALL TO FUDSUM.
7090:WRITE-400.
7100\WHITE ALLREC FROM AREC,
7110\ADD 1 TO ALLCNT.
7120:GO-410.
7130\GO TO READ-39 .
7140:DUMP-420,
7150\READ TEMFILE AT END MOVE CUS TO HCUS MOVE CUSS TO HCUSS
7160\MOVE WBS23 TO HWBS23 MOVE DRAW TO HDRAW MOVE OC TO HOC
7170\CLOSE TEMFILE OPEN OUTPUT TEMFILE MOVE 0 TO RFLAG

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7180\GO TO CUS-130.  
7190\MOVE TEMREC TO AREC.  
7200\PERFORM WRITE-400.  
7210\GO TO DUMP-42 .  
7220:CHECK-430.  
7230\IF LFLAG NOT = 0 MOVE 1 TO FLAG GO TO REW-320.  
7240\IF RFLAG NOT = 0 MOVE 1 TO FLAG GO TO REW-320.  
7250:END-440.  
7260\MOVE PERCNT TO DISCNT.  
7270\DISPLAY "NO. OF PERCENT REC READ = " DISCNT.  
7280\MOVE MODCNT TO DISCNT.  
7290\DISPLAY "NO. OF REQ REC READ = " DISCNT.  
7300\MOVE TEMCNT TO DISCNT.  
7310\DISPLAY "TOTAL NO. OF TEMP REC WRITTEN = " DISCNT.  
7320\MOVE ALLOCNT TO DISCNT.  
7330\DISPLAY "NO. OF ALLOC REC WRITTEN = " DISCNT.  
7340\MOVE REQCNT TO DISCNT.  
7350\DISPLAY "NO. OF REQ DOL REC READ = " DISCNT.  
7360\CLOSE PERFILE MODFILE DOLFILE TEMFILE ALFILE REQFILE.  
7370\STOP RUN.  
7380\$:ENDJOB

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CATALOG/FILE DESCRIPTION= RCS/MODREQ,R

```
010#N,R(AC)
020$:IDENT:WP0955,LGRER(81) CJW 72751 MODREQ,R
030$:LIMITS:15,,,9K
040$:OPTION:NOMAP
050$:GMAP:NDECK
060:600SM
070:SORT:FCB,,12
080:FIELD:(C6,C1,C23,C2,C3,C1,C4,C1)
090:SEQ:(A5,A6,A8,A2)
100:PICK:SELECT,(5),(=DH DAF)
110:FILCB:FCB,**,2
120:END
130$:EXECUTE
140$:LIMITS:15,,,2K
150$:TAPE:SA,X1D,,71289,,MODRAN
160$:FILE:S1,S1R,2 R
170$:FILE:S2,S2R,2 R
180$:FILE:S3,S3R,2 R
190$:FILE:S2,A1S,B,L
200$:OPTION:COBOL,NOMAP
210$:SELECT:RCS/MODREQ,O
220$:EXECUTE
230$:LIMITS:15,,,5K
240$:FILE:AA,A1R,B,L
250$:REMOTE:BB,AC
260$:ENDJOB
```

APPENDIX A.6

PROGRAM LISTING - MODREQ.R - MODREQ.S

CATALOG/FILE DESCRIPTION= RCS/MODREQ.S

10##MOVE,ROUT(AC) <,7::,8,16:\,12,30  
20\$:IDENT:WP0955,LOPER(81) WILHELM X72751 MODREQ.S  
30\$:LIMITS:15,,,9K  
40\$:OPTION:NOMAP  
50\$:COBOL:DECK  
60\$:PRUFL:C\*,W,S,RCS/MODREQ.O  
70:IDENTIFICATION DIVISION.  
80:PROGRAM-ID. MODREQ.  
90:ENVIRONMENT DIVISION.  
100:CONFIGURATION SECTION.  
110:SPECIAL-NAMES.  
120\COMPILE ERRORS.  
130\GTIME IS TODAY.  
140:FILE-CONTROL.  
150\SELECT INFILE ASSIGN TO AA.  
160\SELECT OTFILE ASSIGN TO BB FOR LISTING.  
170:I-O-CONTROL.  
180\APPLY STANDARD ON INFILE OTFILE.  
190:DATA DIVISION.  
200:FILE SECTION.  
210:FD INFILE  
220\LABEL RECORDS STANDARD.  
230: 1 INREC.  
240\ 3 FILLER\PIC X(72).  
250:FD OTFILE  
260\LABEL RECORDS ARE STANDARD  
270\REPORT IS CUM-REP.  
280:WORKING-STORAGE SECTION.  
290:77 INCNT\PIC 9(7) VALUE 0 COMP-1.  
300:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.  
310:77 DISCNT\PIC 4(6)9.  
320:77 REQTOT\PIC 9(7) VALUE 0 COMP-1.  
330:77 AMT\PIC 9(7) VALUE 0 COMP-1.  
340:77 DATE\PIC X(9).  
350:77 ALLTOT\PIC 9(7) VALUE 0 COMP-1.  
360:77 ALLOC\PIC 9(7) VALUE 0 COMP-1.  
370:77 HLD-ALC\PIC XX VALUE SPACE.  
380:77 LCTR\PIC 99 VALUE 0 COMP-1.  
390:77 SUB1\PIC 99 VALUE 0 COMP-1.  
400:77 SUB2\PIC 99 VALUE 0 COMP-1.  
410:77 SUB3\PIC 99 VALUE 0 COMP-1.  
420:77 SUB4\PIC 99 VALUE 0 COMP-1.  
430:77 CCTR\PIC 99 VALUE 0 COMP-1.  
440:77 OCTR\PIC 99 VALUE 0 COMP-1.  
450:77 HCTR\PIC 9 VALUE 1 COMP-1.  
460:77 HCUS\PIC XXX VALUE SPACE.  
470:77 RCTR\PIC 9(7) VALUE 0 COMP-1.  
480:77 DCTR\PIC 9(7) VALUE 0 COMP-1.  
490: 1 DAZE.  
500\ 2 XMN\PIC 99.  
510\ 2 DAT\PIC 99.  
520\ 2 YRX\PIC 99.  
530\ 2 TYME\PIC 9(8) COMP-1.  
540: 1 DTE.  
550\ 2 DMO\PIC 99.  
560\ 2 FILLDX\PIC X VALUE "/".  
570\ 2 DDT\PIC 99.

580\02 FILLDY\PIC X VALUE "/".  
 590\02 DXYR\PIC 99.  
 600:01 IREC.  
 610\03 PC\PIC XXXX.  
 620\03 FY\PIC XX.  
 630\03 RGC\PIC X.  
 640\03 KS\PIC X(10).  
 650\03 MDS\PIC X(1).  
 660\03 WBS\PIC X(5).  
 670\03 CUS\PIC XXX.  
 680\03 OC\PIC X.  
 690\03 FAC\PIC XX.  
 700\03 ALC\PIC XX.  
 710\03 DRAW\PIC X.  
 712\03 RID\PIC XX.  
 714\03 QTY\PIC 9(7).  
 720\03 REO\PIC 9(7).  
 730\03 MD\PIC X(5).  
 740\03 PRIN\PIC 99.  
 750\03 ALOC\PIC 9(7).  
 760\03 FILLER\PIC X.  
 770: 1 SUMTAB.  
 780: 02 TOC\OCCURS 3.  
 790\03 TDRAW\OCCURS 4.  
 800\04 TDOL\PIC 9(7) OCCURS 23.  
 810:01 RTAB.  
 820: 02 ROC\OCCURS 3.  
 830\03 RDRAW\OCCURS 4.  
 840\04 DOL\PIC 9(7) OCCURS 23.  
 850:01 OTAB.  
 860: 02 OOC\OCCURS 3.  
 870\03 ODRAW\OCCURS 4.  
 880\04 ODOL\PIC 9(7) OCCURS 23.  
 890:01 GRTAB.  
 900: 02 GROC\OCCURS 3.  
 910\03 GRDRAW\OCCURS 4.  
 920\04 GDPOL\PIC 9(7) OCCURS 23.  
 930:01 ATAB.  
 940: 02 AOC\OCCURS 3.  
 950\03 ADRAW\OCCURS 4.  
 960\04 ADOL\PIC 9(7) OCCURS 23.  
 970:01 AOTAB.  
 980: 02 AOCN\OCCURS 3.  
 990\03 AODRAW\OCCURS 4.  
 1000\04 AGDOL\PIC 9(7) OCCURS 23.  
 1010:01 AGTAB,  
 1020: 02 AGOC\OCCURS 3.  
 1030\03 AGDRAW\OCCURS 4.  
 1040\04 AGDOL\PIC 9(7) OCCURS 23.  
 1050:01 CONRGC.  
 1060\03 FILLER\PIC X(56) VALUE  
 1070\03 A B TOT C D TOT E F ".  
 1080\03 FILLER\PIC X(56) VALUE  
 1090\03 TOT G H TOT J K L TOT ".  
 1100\03 FILLER\PIC X(49) VALUE  
 1110\03 M N P R S TOT GRN TOT".  
 1120:01 EGCTAB REDEFINES CONRGC.  
 1130: 02 TRGC\PIC X(7) OCCURS 23.  
 1140:01 REQALL.  
 1150\03 FILLER\SIZE 22 VALUE

1160\ "REQUIREMENT ALLOCATIONS".  
1170:01 ALRE REDEFINES REQALL.  
1180\03 AR\PIC X(11) OCCURS 2.  
1190:REPORT SECTION.  
1200:RD CUM-REP  
1210\CONTROLS ARE HCUS HCTR  
1220\PAGE LIMIT IS 64 LINES  
1230\HEADING 1  
1240\FIRST DETAIL 7.  
1250:01 TYPE IS CF HCUS NEXT GROUP IS NEXT PAGE.  
1260: 02 LINE PLUS 01.  
1270\03 COLUMN 2\SIZE 128 VALUE ALL "\*".  
1280:01 TYPE IS CH HCTR.  
1290: 02 LINE PLUS 02.  
1300\03 COLUMN 2\SIZE 1 PIC X(11) SOURCE AF (HCTR).  
1310: 02 LINE PLUS 0.  
1320\03 COLUMN 2\SIZE 11 VALUE ALL "-".  
1330:01 TYPE IS PH.  
1340: 02 LINE PLUS 01.  
1350\03 COLUMN 2\SIZE 4 VALUE "OPR".  
1360\03 COLUMN 7\SIZE 5 VALUE "XRSXX".  
1370\03 COLUMN 46\SIZE 24 VALUE "DOLLAR TOTAL BY CUSTOMER".  
1380\03 COLUMN 116\SIZE 14 VALUE "CONTROL NUMBER".  
1390: 02 LINE PLUS 01.  
1400\03 COLUMN 2\SIZE 5 VALUE "DATE".  
1410\03 COLUMN 10\PIC X(9) SOURCE DTE.  
1420\03 COLUMN 50\SIZE 11 VALUE "FISCAL YEAR".  
1430\03 COLUMN 62\PIC XX SOURCE FY.  
1440\03 COLUMN 80\SIZE 8 VALUE "CUSTOMER".  
1450\03 COLUMN 90\PIC XXX SOURCE HCUS.  
1460\03 COLUMN 122\SIZE 4 VALUE "PAGE".  
1470\03 COLUMN 127\PIC ZZZ9 SOURCE PAGE-COUNTER.  
1480: 02 LINE PLUS 02.  
1490\03 COLUMN 24\SIZE 7 VALUE "ORGANIC".  
1500\03 COLUMN 66\SIZE 8 VALUE "CONTRACT".  
1510\03 COLUMN 106\SIZE 5 VALUE "TOTAL".  
1520: 02 LINE PLUS 01.  
1530\03 COLUMN 14\SIZE 1 VALUE "D".  
1540\03 COLUMN 24\SIZE 1 VALUE "R".  
1550\03 COLUMN 34\SIZE 1 VALUE "A".  
1560\03 COLUMN 42\SIZE 3 VALUE "TOT".  
1570\03 COLUMN 56\SIZE 1 VALUE "D".  
1580\03 COLUMN 66\SIZE 1 VALUE "R".  
1590\03 COLUMN 76\SIZE 1 VALUE "A".  
1600\03 COLUMN 84\SIZE 3 VALUE "TOT".  
1610\03 COLUMN 98\SIZE 1 VALUE "D".  
1620\03 COLUMN 108\SIZE 1 VALUE "R".  
1630\03 COLUMN 118\SIZE 1 VALUE "A".  
1640\03 COLUMN 126\SIZE 3 VALUE "TOT".  
1650: 02 LINE PLUS 0.  
1660\03 COLUMN 2\SIZE 128 VALUE ALL "-".  
1670:01 RL TYPE DE LINE PLUS 01.  
1680\03 COLUMN 2\PIC X(7) SOURCE TRGC (LCTR).  
1690\03 COLUMN 10\PIC Z(6)9 SOURCE TDOL (1,1,LCTR).  
1700\03 COLUMN 20\PIC Z(6)9 SOURCE TDOL (1,2,LCTR).  
1710\03 COLUMN 30\PIC Z(6)9 SOURCE TDOL (1,3,LCTR).  
1720\03 COLUMN 40\PIC Z(6)9 SOURCE TDOL (1,4,LCTR).  
1730\03 COLUMN 52\PIC Z(6)9 SOURCE TDOL (2,1,LCTR).  
1740\03 COLUMN 62\PIC Z(6)9 SOURCE TDOL (2,2,LCTR).  
1750\03 COLUMN 72\PIC Z(6)9 SOURCE TDOL (2,3,LCTR).

1760\03 COLUMN 82\PIC Z(6)9 SOURCE TDOL (2,4,LCTR).  
1770\03 COLUMN 94\PIC Z(6)9 SOURCE TDOL (3,1,LCTR).  
1780\03 COLUMN 104\PIC Z(6)9 SOURCE TDOL (3,2,LCTR).  
1790\03 COLUMN 114\PIC Z(6)9 SOURCE TDOL (3,3,LCTR).  
1800\03 COLUMN 124\PIC Z(6)9 SOURCE TDOL (3,4,LCTR).  
1810:PROCEDURE DIVISION.  
1820:START-0.  
1830\OPEN INPUT INFILE OUTPUT OTFILE.  
1840\ACCEPT DAZE FROM TODAY.  
1850\MOVE XMO TO DMC.  
1860\MOVE DAT TO DDT.  
1870\MOVE YRX TO DAYR.  
1880\INITIATE CUM-REP.  
1890\MOVE ZERO TO OTAB AOTAB.  
1900\MOVE ZFRO TO GRTAB AGTAB.  
1910:READ-10.  
1920\READ INFILE AT END GO TO END-20.  
1930\ADD 1 TO INCNT.  
1940\MOVE INREC TO IREC.  
1950\IF CUS = HCUS GO TO DO-PROG.  
1960\IF HCUS = SPACE GO TO ZERO-SUM.  
1970\IF HCUS = "AFR" GO TO GEN-15.  
1980\IF HCUS = "ANG" GO TO GEN-15.  
1990\IF HCUS = "DA" GO TO GEN-15.  
2000\IF HCUS = "DAF" GO TO GEN-15.  
2010\IF HCUS = "DN" GO TO GEN-15.  
2020\IF HCUS = "MAC" GO TO GEN-15.  
2030\IF HCUS = "MAP" GO TO GEN-15.  
2040\IF HCUS = "SYS" GO TO GEN-15.  
2050\IF ODOL (3,4,23) = 0 GO TO GEN-15.  
2060\GO TO GEN-15.  
2070:ZERO-SUM.  
2080\MOVE ZERO TO SUMTAB ATAB RTAB.  
2090\MOVE CUS TO HCUS.  
2100\IF CUS = "AFR" MOVE 1 TO CCTR GO TO DO-PROG.  
2110\IF CUS = "ANG" MOVE 2 TO CCTR GO TO DO-PROG.  
2120\IF CUS = "DA" MOVE 3 TO CCTR GO TO DO-PROG.  
2130\IF CUS = "DAF" MOVE 4 TO CCTR GO TO DO-PROG.  
2140\IF CUS = "DN" MOVE 5 TO CCTR GO TO DO-PROG.  
2150\IF CUS = "MAC" MOVE 6 TO CCTR GO TO DO-PROG.  
2160\IF CUS = "MAP" MOVE 7 TO CCTR GO TO DO-PROG.  
2170\IF CUS = "SYS" MOVE 8 TO CCTR GO TO DO-PROG.  
2180\MOVE 9 TO CCTR.  
2190\ADD 1 TO OCTR.  
2200\MOVE OTAB TO RTAB.  
2210\MOVE AOTAB TO ATAB.  
2220:DO-PROG.  
2230\IF OC = "C" MOVE 2 TO SUB1.  
2240\IF OC = "O" MOVE 1 TO SUB1.  
2250\IF DRAW = "D" MOVE 1 TO SUB2 GO TO CHK-RGC.  
2260\IF DRAW = "R" MOVE 2 TO SUB2 GO TO CHK-RGC.  
2270\IF DRAW = "A" MOVE 3 TO SUB2 GO TO CHK-RGC.  
2280\ADD 1 TO DCTR.  
2290\IF DRAW = "W" GO TO WRONG-DRAW ELSE GO TO READ-10.  
2291:WRONG-DRAW.  
2292\MOVE INCNT TO DISCNT.  
2293\DISPLAY "NOT USED DRAW " DRAW DISCNT IREC.  
2294\MOVE DCTR TO DISCNT.  
2295\DISPLAY "THIS MANY " DISCNT.  
2296\GO TO READ-10.

2300:CHK-RGC.  
 2310\IF RGC = "A" MOVE 1 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.  
 2320\IF RGC = "B" MOVE 2 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.  
 2330\IF RGC = "C" MOVE 4 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.  
 2340\IF RGC = "D" MOVE 5 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.  
 2350\IF RGC = "E" MOVE 7 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.  
 2360\IF RGC = "F" MOVE 6 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.  
 2370\IF RGC = "G" MOVE 10 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.  
 2380\IF RGC = "H" MOVE 11 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.  
 2390\IF RGC = "J" MOVE 13 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.  
 2400\IF RGC = "K" MOVE 14 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.  
 2410\IF RGC = "L" MOVE 15 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.  
 2420\IF RGC = "M" MOVE 17 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.  
 2430\IF RGC = "N" MOVE 18 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.  
 2440\IF RGC = "P" MOVE 19 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.  
 2450\IF RGC = "R" MOVE 20 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.  
 2460\IF RGC = "S" MOVE 21 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.  
 2470\ADD 1 TO RCTR.  
 2472\MOVE RCTR TO DISCNT.  
 2474\DISPLAY "INVALID RGC " RGC DISCNT IREC.  
 2476\MOVE INCNT TO DISCNT.  
 2477\DISPLAY "THIS REC " DISCNT.  
 2480\GO TO READ-10.  
 2490:CHK-ST.  
 2500\IF RGC < "C" MOVE 3 TO SUB4 GO TO STOT-RTNE.  
 2510\IF RGC < "E" MOVE 6 TO SUB4 GO TO STOT-RTNE.  
 2520\IF RGC < "G" MOVE 9 TO SUB4 GO TO STOT-RTNE.  
 2530\IF RGC < "J" MOVE 12 TO SUB4 GO TO STOT-RTNE.  
 2540\IF RGC < "M" MOVE 16 TO SUB4 GO TO STOT-RTNE.  
 2550\MOVE 22 TO SUB4.  
 2560\GO TO STOT-RTNE.  
 2570:GF<sup>N</sup>-15.  
 2580\IF CCTR = 9 MOVE ATAB TO OTAB MOVE ATAB TO AOTAB  
 2590\GO TO ZERO-SUM.  
 2600:REQ-RTNE.  
 2610\MOVE 1 TO HCTR.  
 2620\MOVE RTAB TO SUMTAB.  
 2630:LINE-RTNE.  
 2640\MOVE 1 TO LCTR.  
 2650:LINE-GEN.  
 2660\GENERATE RL.  
 2670\IF LCTR = 23 GO TO LINE-EXIT.  
 2680\ADD 1 TO LCTR.  
 2690\GO TO LINE-GEN.  
 2700:LINE-EXIT.  
 2710\EXIT.  
 2720:ALOC-RTNE.  
 2730\MOVE 2 TO HCTR.  
 2740\MOVE ATAB TO SUMTAB.  
 2750\PERFORM LINE-RTNE THRU LINE-EXIT.  
 2760:RETURN-LINE.  
 2770\GO TO ZERO-SUM.  
 2780:ADD-LINE.  
 2790\ADD REQ TO DOL (SUB1,SUB2,SUB3) GRDOL (SUB1,SUB2,SUB3).  
 2800\ADD ALOC TO ADOL (SUB1,SUB2,SUB3) AGDOL (SUB1,SUB2,SUB3).  
 2810\ADD REQ TO DOL (SUB1,4,SUB3) GRDOL (SUB1,4,SUB3).  
 2820\ADD ALOC TO ADOL (SUB1,4,SUB3) AGDOL (SUB1,4,SUB3).  
 2830\ADD REQ TO DOL (3,SUB2,SUB3) GRDOL (3,SUB2,SUB3).  
 2840\ADD ALOC TO ADOL (3,SUB2,SUB3) AGDOL (3,SUB2,SUB3).  
 2850\ADD REQ TO DOL (3,4,SUB3) GRDOL (3,4,SUB3).

2860\ADD ALOC TO ADOL (3,4,SUB3) AGDOL (3,4,SUB3).  
2870:STOT-RTNE.  
2880\ADD REQ TO DOL (SUB1,SUB2,SUB4) GRDOL (SUB1,SUB2,SUB4).  
2890\ADD ALOC TO ADOL (SUB1,SUB2,SUB4) AGDOL (SUB1,SUB2,SUB4).  
2900\ADD REQ TO DOL (SUB1,4,SUB4) GRDOL (SUB1,4,SUB4).  
2910\ADD ALOC TO ADOL (SUB1,4,SUB4) AGDOL (SUB1,4,SUB4).  
2920\ADD REQ TO DOL (3,SUB2,SUB4) GRDOL (3,SUB2,SUB4).  
2930\ADD ALOC TO ADOL (3,SUB2,SUB4) AGDOL (3,SUB2,SUB4).  
2940\ADD REQ TO DOL (3,4,SUB4) GRDOL (3,4,SUB4).  
2950\ADD ALOC TO ADOL (3,4,SUB4) AGDOL (3,4,SUB4).  
2960:TOT-RTNE.  
2970\ADD REQ TO DOL (SUB1,SUB2,23) GRDOL (SUB1,SUB2,23).  
2980\ADD ALOC TO ADOL (SUB1,SUB2,23) AGDOL (SUB1,SUB2,23).  
2990\ADD REQ TO DOL (SUB1,4,23) GRDOL (SUB1,4,23).  
3000\ADD ALOC TO ADOL (SUB1,4,23) AGDOL (SUB1,4,23).  
3010\ADD FAQ TO DOL (3,SUB2,23) GRDOL (3,SUB2,23).  
3020\ADD ALOC TO ADOL (3,SUB2,23) AGDOL (3,SUB2,23).  
3030\ADD RAQ TO DOL (3,4,23) GRDOL (3,4,23).  
3040\ADD ALOC TO ADOL (3,4,23) AGDOL (3,4,23).  
3050\ADD 1 TO OTCNT.  
3060\GO TO READ-10.  
3070:END-20.  
3080\IF CCTR = 9 MOVE "OTH" TO HCUS PERFORM REQ-RTNE THRU  
3090\ ALLOC-RTNE GO TO END-25.  
3100\PERFORM REQ-RTNE THRU ALOC-RTNE.  
3110\MOVE OTAB TO SUMTAB.  
3120\MOVE "OTH" TO HCUS.  
3130\MOVE 1 TO HCTR.  
3140\PERFORM LINE-RTNE THRU LINE-EXIT.  
3150\MOVE AOTAB TO SUMTAB.  
3160\MOVE 2 TO HCTR.  
3170\PERFORM LINE-RTNE THRU LINE-EXIT.  
3180:END-25.  
3190\MOVE 1 TO HCTR.  
3200\MOVE "GRN" TO HCUS.  
3210\MOVE GRTAB TO SUMTAB.  
3220\PERFORM LINE-RTNE THRU LINE-EXIT.  
3230&\MOVE 2 TO HCTR.  
3240\MOVE AGTAB TO SUMTAB.  
3250\PERFORM LINE-RTNE THRU LINE-EXIT.  
3260\MOVE INCNT TO DISCNT.  
3270\DISPLAY "NO. OF REC READ = " DISCNT.  
3280\MOVE OTCNT TO DISCNT.  
3290\DISPLAY "NO. OF REC WRITTEN = " DISCNT.  
3300\TERMINATE CUH-REP.  
3310\CLOSE INFILE OTFILE.  
3320\STOP RUN.  
3330\$:ENDJOB

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APPENDIX A.7

PROGRAM LISTINGS - MODSUM.R - MODSUM.S

CATALOG/FILE DESCRIPTION= RCS/MODSUM.R

```
010#N,R(AC)
020$:IDENT:WP0955,10RER(81) CJW 72751 MODSUM.R
030$:LIMITS:15,,,9K
040$:OPTION:NOMAP
050$:GMAP:NDECK
060:600SM
070:SORT:FCB,,12
080:FIELD:(C6,C1,C23,C2,C3,C1,C4,C1,C16,C5,C9,C1)
090:SEQ:(A10,A12,A5,A2,A8)
100:PICK:SELECT,(5), (=5H DAF)
110:FILCL:FCB,**,2
120:END
130$:EXECUTE
140$:LIMITS:10,,,2K
150$:TAPE:SA,S1R,,71289,,MODRAN
160$:FILE:S1,S1R,2 R
170$:FILE:S2,S2R,2 R
180$:FILE:S3,S3R,2 R
190$:FILE:SZ,X1S,3CL
200$:OPTION:COBOL,NOMAP
210$:SELECT:RCS/MODSUM.O
220$:EXECUTE
230$:LIMITS:15,,,5K
240$:FILE:AA,A1R,BCL
250$:REMOTE:BB,AC
260$:ENDJOB
```

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CATALOG/FILE DESCRIPTION= RCS/MODSUM.S

10##M : ,8,16;\,12,30  
20S:IDENT:WP0955,LORER(81) WILHELM 72751 MODSUM.S  
30S:LIMITS:8,,,9K  
40S:OPTION:NOMAP  
50S:COBOL:DECK  
60S:PRMFL:C\*,W,S,RCS/MODSUM.O  
70:IDENTIFICATION DIVISION.  
80:PROGRAM-ID. MODSUM.  
90:ENVIRONMENT DIVISION.  
100:CONFIGURATION SECTION.  
110:SPECIAL-NAMES.  
120\GTIME IS TODAY.  
130\COMPILE ERRORS.  
140:FILE-CONTROL.  
150\SELECT INFILE ASSIGN TO AA.  
160\SELECT OTFILE ASSIGN TO BB FOR LISTING.  
170:I-O-CONTROL.  
180\APPLY STANDARD ON INFILE OTFILE.  
190:DATA DIVISION.  
200:FILE SECTION.  
210:FD INFILE  
220\LABEL RECORDS STANDARD.  
230:01 INREC.  
240\ 3 FILLER\PIC X(72).  
250:FD OTFILE  
260\LABEL RECORDS ARE STANDARD  
270\REPORT IS CUM-REP.  
280:WORKING-STORAGE SECTION.  
290:77 INCNT\PIC 9(7) VALUE 0 COMP-1.  
300:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.  
310:77 ADDCNT\PIC 9(7) VALUE 0 COMP-1.  
320:77 DISCNT\PIC Z(6)9.  
330:77 REQTOT\PIC 9(7) VALUE 0 COMP-1.  
340:77 AMT\PIC 9(7) VALUE 0 COMP-1.  
350:77 DATE\PIC X(9).  
360:77 ALLTOT\PIC 9(7) VALUE 0 COMP-1.  
370:77 ALLOC\PIC 9(7) VALUE 0 COMP-1.  
380:77 HRCG\PIC X VALUE SPACE.  
390:77 RGCTOT\PIC 9(7) VALUE 0 COMP-1.  
400:77 ARGCTOT\PIC 9(7) VALUE 0 COMP-1.  
410:77 HCUS\PIC XXX VALUE SPACE.  
420:77 HMDS\PIC X(5) VALUE SPACE.  
430:77 HPRX\PIC XX VALUE SPACE.  
440:77 CUSTOT\PIC 9(7) VALUE 0.  
450:77 ACFTOT\PIC 9(7) VALUE 0.  
460:77 ACUSTOT\PIC 9(7) VALUE 0 COMP-1.  
470:77 RCUSTOT\PIC 9(7) VALUE 0 COMP-1.  
480:77 RACFTS\PIC 9(7) VALUE 0 COMP-1.  
490:77 AACFTS\PIC 9(7) VALUE 0 COMP-1.  
500:77 CTR\PIC 9 VALUE 1.  
510:77 QUOT\PIC 9V9(6) VALUE 0.  
520:77 PERCUS\PIC 9V9(6) VALUE 0.  
530:77 PEFACFT\PIC 9V9(6) VALUE 0.  
540:77 PERQUO\PIC 999V9 VALUE 0.  
550:77 PERTOT\PIC 999V9 VALUE 0.  
560:77 PERMDS\PIC 999V9 VALUE 0.  
570:77 INSUFT\PIC X VALUE SPACE.

580:77 CNT\PIC 9 VALUE 0.  
 590:77 ACTA\PIC 9999 VALUE 1 COMP-1.  
 600:77 CCTR\PIC 9999 VALUE 1 COMP-1.  
 610:01 DAZE.  
 620\02 XMO\PIC 99.  
 630\02 DAT\PIC 99.  
 640\02 YRX\PIC 99.  
 650\02 TYME\PIC 9(8) COMP-1.  
 660:01 DTE.  
 670\02 DMO\PIC 99.  
 680\02 FILLI\PIC X VALUE "/",  
 690\02 DDT\PIC 99.  
 700\02 FILLDY\PIC X VALUE "/",  
 710\02 DXYR\PIC 99.  
 720:01 IREC.  
 730\03 PC\PIC XXXX.  
 740\03 FY\PIC XX.  
 750\03 RGC\PIC X.  
 760\03 KSN\PIC X(10).  
 770\03 HDS\PIC X(1).  
 780\03 WBS\PIC X(5).  
 790\03 CUS\PIC XXX.  
 800\03 OC\PIC X.  
 810\03 FAC\PIC XX.  
 820\03 ALC\PIC XX.  
 830\03 DRAW\PIC X.  
 833\03 RID\PIC XX.  
 836\03 QTY\PIC 9(7).  
 840\03 REQ\PIC 9(7).  
 850\03 MD\PIC X(5).  
 860\03 PRN\PIC 99.  
 870\03 ADOL\PIC 9(7).  
 880\03 FILLER\PIC X.  
 890:01 SUBTAB.  
 900\03 SVAL\PIC X(18) VALUE "SUB TOTAL".  
 910:01 TABSUB REDEFINES SUBTAB.  
 920\03 SUBT\PIC X(9) OCCURS 2.  
 930:REPORT SECTION.  
 940:RD CUM-REP  
 950:PAGE LIMIT IS 57 LINES  
 960\HEADING 1  
 970\FIRST DETAIL 8  
 980\FOOTING 55.  
 990:1 CL TYPE IS DE NEXT GROUP PLUS 02.  
 1000:02 LINE PLUS 02.  
 1010\03 COLUMN 3\SIZE 3 VALUE "----".  
 1020\03 COLUMN 6\PIC X(5) SOURCE HMDS.  
 1030\03 COLUMN 11\SIZE 3 VALUE "----".  
 1040\03 COLUMN 15\SIZE 17 VALUE "CUSTOMER SUBTOTAL".  
 1050\03 COLUMN 32\SIZE 1 VALUE "\*".  
 1060\03 COLUMN 33\PIC XXX SOURCE HCUS.  
 1070\03 COLUMN 36\SIZE 1 VALUE "\*".  
 1080\03 COLUMN 37\SIZE 12 VALUE ALL ">".  
 1090\03 COLUMN 49\PIC Z,ZZZ,ZZ9 SOURCE FEOTOT.  
 1100\03 COLUMN 65\PIC Z,ZZZ,ZZ9 SOURCE RGCTOT.  
 1110\03 COLUMN 85\PIC Z,ZZZ,ZZ9 SOURCE ALLTOT.  
 1120\03 COLUMN 101\PIC ZZ9,9 SOURCE PERTOT.  
 1130\03 COLUMN 106\PIC X SOURCE INSUFF.  
 1140\03 COLUMN 116\PIC Z,ZZZ,ZZ9 SOURCE ARGCTOT.  
 1150:01 AL TYPE IS DE NEXT GROUP PLUS 03.

1160: 02 LINE PLUS 01.  
1170\03 COLUMN 3\SIZE 3 VALUE "\*\*\*\*".  
1180\03 COLUMN 6\PIC X(5) SOURCE HMDS.  
1190\03 COLUMN 11\SIZE 3 VALUE "\*\*\*\*".  
1200\03 COLUMN 15\SIZE 17 VALUE "AIRCRAFT SUBTOTAL".  
1210\03 COLUMN 33\SIZE 16 VALUE ALL ">".  
1220\03 COLUMN 49\PIC Z,ZZZ,ZZ9 SOURCE REQTOT.  
1230\03 COLUMN 65\PIC Z,ZZZ,ZZ9 SOURCE RGCTOT.  
1240\03 COLUMN 85\PIC Z,ZZZ,ZZ9 SOURCE ALLTOT.  
1250\03 COLUMN 101\PIC ZZ9.9 SOURCE PRMDS.  
1260\03 COLUMN 106\PIC X SOURCE INSUFT.  
1270\03 COLUMN 116\PIC Z,ZZZ,ZZ9 SOURCE ARGCTOT.  
1280:01 TYPE IS FF.  
1290: 02 LINE PLUS 01.  
1300\03 COLUMN 3\SIZE 3 VALUE "\*\*\*\*".  
1310\03 COLUMN 6\SIZE 1 VALUE "#".  
1320\03 COLUMN 8\SIZE 21 VALUE "VALUE 0 IN ANY FIELD ".  
1330\03 COLUMN 29\SIZE 21 VALUE "RESULTS IN # APPENDED".  
1340\03 COLUMN 50\SIZE 21 VALUE " ZERO PLACED IN PERCE".  
1350\03 COLUMN 71\SIZE 21 VALUE "NTAGE FIELD DUE TO UN".  
1360\03 COLUMN 92\SIZE 21 VALUE "CERTAINTY OF QUOTIENT".  
1370:01 TYPE IS PH.  
1380: 02 LINE PLUS 01.  
1390\03 COLUMN 3\SIZE 3 VALUE "OPR".  
1400\03 COLUMN 7\PIC X(5) VALUE "XRS ".  
1410\03 COLUMN 40\SIZE 51 VALUE  
1420\03 "DPEM REQUIREMENT-ALLOCATION SUMMARY BY MODEL DESIGN".  
1430\03 COLUMN 112\SIZE 3 VALUE "RCN".  
1440\03 COLUMN 116\SIZE 14 VALUE "CONTROL NUMBER",  
1450: 02 LINE PLUS 01.  
1460\03 COLUMN 2 \SIZE 4 VALUE "DATE".  
1470\03 COLUMN 10\PIC X(9) SOURCE DTE.  
1480\03 COLUMN 50\SIZE 11 VALUE "FISCAL YEAR".  
1490\03 COLUMN 62\PIC XX SOURCE FY.  
1500\03 COLUMN 122\SIZE 4 VALUE "PAGE".  
1510\03 COLUMN 127\PIC ZZZ9 SOURCE PAGE-COUNTER.  
1520: 02 LINE PLUS 02.  
1530\03 COLUMN 2\SIZE 5 VALUE "MODEL".  
1540\03 COLUMN 10\SIZE 8 VALUE "CUSTOMER".  
1550\03 COLUMN 22\SIZE 12 VALUE "REPAIR GROUP".  
1560\03 COLUMN 36\SIZE 8 VALUE "LEVEL OF".  
1570\03 COLUMN 48\SIZE 11 VALUE "REQUIREMENT".  
1580\03 COLUMN 62\SIZE 17 VALUE "CUMMULATIVE REQMT".  
1590\03 COLUMN 85\SIZE 9 VALUE "ALLOCATED".  
1600\03 COLUMN 100\SIZE 7 VALUE "PERCENT".  
1610\03 COLUMN 110\SIZE 21 VALUE "CUMMULATIVE ALLOCATED".  
1620: 02 LINE PLUS 01.  
1630\03 COLUMN 2\SIZE 6 VALUE "DESIGN".  
1640\03 COLUMN 12\SIZE 4 VALUE "CODE".  
1650\03 COLUMN 24\SIZE 8 VALUE "CATEGORY".  
1660\03 COLUMN 36\SIZE 8 VALUE "PRIORITY".  
1670\03 COLUMN 46\SIZE 14 VALUE "DOLLARS (\$000)".  
1680\03 COLUMN 64\SIZE 14 VALUE "DOLLARS (\$000)".  
1690\03 COLUMN 83\SIZE 14 VALUE "DOLLARS (\$000)".  
1700\03 COLUMN 101\SIZE 5 VALUE "REQMT".  
1710\03 COLUMN 114\SIZE 14 VALUE "DOLLARS (\$000)".  
1720:01 RL TYPE DE LINE PLUS 01.  
1730\03 COLUMN 2\PIC X(5) SOURCE HMDS.  
1740\03 COLUMN 12\PIC XXX SOURCE HCUS.  
1750\03 COLUMN 28\PIC X SOURCE HRGC.

1760\03 COLUMN 40\PIC XX SOURCE HPRI.  
1770\03 COLUMN 49\PIC Z,ZZZ,ZZ9 SOURCE REQTOT.  
1780\03 COLUMN 65\PIC Z,ZZZ,ZZ9 SOURCE RGCTOT.  
1790\03 COLUMN 85\PIC Z,ZZZ,ZZ9 SOURCE ALLTOT.  
1800\03 COLUMN 101\PIC ZZ9.9 SOURCE PERQUO.  
1810\03 COLUMN 106\PIC X SOURCE INSUFT.  
1820\03 COLUMN 116\PIC Z,ZZZ,ZZ9 SOURCE ARGCTOT.  
1830:PROCEDURE DIVISION.  
1840:START-0.  
1850\OPEN INPUT INFILE OUTPUT OTFILE.  
1860\ACCEPT DAZE FROM TODAY.  
1870\MOVE XMO TO DMO.  
1880\MOVE DAT TO DBT.  
1890\MOVE YRX TO DXYR.  
1900\INITIATE CUM-REP.  
1910:READ-10.  
1920\READ INFILE AT END GO TO FINISH-70.  
1930\ADD 1 TO INCNT.  
1940\MOVE INREC TO IREC.  
1950:CHECK-12.  
1960\IF RGC EQUAL TO HRGC GO TO CHECK-19.  
1970\IF HRGC = SPACE GO TO INITIAL-15.  
1980:SUFT-RTNE1.  
1990\IF ALLTOT = ZERO MOVE 1 TO CNT GO TO INSUFT-RINE.  
2000\IF REQTOT = ZERO MOVE 1 TO CNT GO TO INSUFT-RTNE.  
2010\DIVIDE ALLTOT BY REQTOT GIVING QUOT.  
2020\MULTIPLY QUOT BY 100 GIVING PERQUO.  
2030\GO TO ADD-14.  
2040:INSUFT-RTNE.  
2050\MOVE "#" TO INSUFT.  
2060\IF CNT = 1 MOVE ZERO TO PERQUO.  
2070\IF CNT = 2 MOVE ZERO TO PERTOT.  
2080\IF CNT = 3 MOVE ZERO TO PERMDS.  
2090:ADD-14.  
2100\ADD REQTOT TO RCUSTOT.  
2110\ADD ALLTOT TO ACUSTOT.  
2120\GO TO GEN-50.  
2130:SUFT-RTNE2.  
2140\DIVIDE ACUSTOT BY PCUSTOT GIVING PERCUS.  
2150\MULTIPLY PERCUS BY 100 GIVING PERTOT.  
2160:SUFT-RTNE3.  
2170\DIVIDE AACFTS BY PACFTS GIVING PERACFT.  
2180\MULTIPLY PERACFT BY 100 GIVING PERMDS.  
2190:INITIAL-15.  
2200\MOVE ZERO TO REQTOT ALLTOT.  
2210\MOVE RGC TO HRGC.  
2220\MOVE 0 TO ACTR.  
2230\MOVE RD TO HMDS.  
2240\MOVE CUS TO HCUS.  
2250\MOVE PRI TO HPRI.  
2260\MOVE 1 TO CTR.  
2270:CHECK-19.  
11 2280\IF CUS NOT EQUAL TO HCUS GO TO SUFT-RTNE1.  
10 2290\IF RD NOT EQUAL TO HMDS GO TO SUFT-RTNE1.  
9 2300:COMPUTE-20.  
8 2310\MOVE REQ TO AMT.  
7 2320\ADD AMT TO REQTOT RGCTOT.  
6 2330\MOVE ADOL TO ALLOC.  
5 2340\ADD ALLOC TO ALLTOT ARGCTOT.  
4 2350\ADD 1 TO ADDCNT.  
3

2360\GO TO READ-10.  
2370:CUS-30.  
2380\ADD RCUSTOT TO RACFTS.  
2390\ADD ACUSTOT TO AACFTS.  
2400\IF ACUSTOT = ZERO MOVE 2 TO CNT PERFORM INSUFI-RTNE.  
2410\IF RCUSTOT = ZERO MOVE 2 TO CNT PERFORM INSUFI-RTNE.  
2420\IF CNT = 0 PERFORM SUFT-RTNE2.  
2430\MOVE 2 TO CTR.  
2440\ADD 1 TO CCTR.  
2450\MOVE RCUSTOT TO REQTOT.  
2460\MOVE ACUSTOT TO ALLTOT.  
2470\GENERATE CL.  
2480\ADD 1 TO OTCNT.  
2490\MOVE ZERO TO ALLTOT REQTOT CNT.  
2500\MOVE SPACE TO INSUFI.  
2510\MOVE ZERO TO RCUSTOT ACUSTOT.  
2520:ACFTS-40.  
2530\IF CUS = HCUS PERFORM CUS-30.  
2540\ADD 1 TO ACTR.  
2550\IF AACFTS = ZERO MOVE 3 TO CNT PERFORM INSUFT-RTNE.  
2560\IF RACFTS = ZERO MOVE 3 TO CNT PERFORM INSUFT-RTNE.  
2570\IF CNT = 0 PERFORM SUFT-RTNE3.  
2580\MOVE RACFTS TO REQTOT.  
2590\MOVE AACFTS TO ALTOI.  
2600\MOVE AACFTS TO ACFTOT.  
2610\MOVE RACFTS TO CUSTOT.  
2620\GENERATE AL.  
2630\ADD 1 TO OTCNT.  
2640\MOVE ZERO TO AACFTS RACFTS CNT.  
2650\MOVE SPACE TO INSUFT.  
2660:GEN-50.  
2670\GENERATE RL.  
2680\ADD 1 TO OTCNT.  
2690:EXIT-60.  
2700\MOVE ZERO TO REQTOT ALLTOT CNT.  
2710\MOVE SPACE TO INSUFT.  
2720\IF CUS NOT = HCUS PERFORM CUS-30.  
2730\IF MD NOT = HMDS PERFORM ACFTS-40.  
2740:RETURN-65.  
2750\GO TO INITIAL-15.  
2760:FINISH-70.  
2770\MOVE ALL "Z" TO MD.  
2780\MOVE "Z" TO PGC.  
2790\MOVE "ZZZ" TO CUS.  
2800\PERFORM CHECK-12 THRU EXIT-60.  
2810:END-80.  
2820\MOVE INCNT TO DISCNT.  
2830\DISPLAY "NO. OF REC READ = " DISCNT,  
2840\MOVE ADDCNT TO DISCNT,  
2850\DISPLAY "NO OF REC SUMMED = " DISCNT.  
2860\MOVE OTCNT TO DISCNT,  
12 2870\DISPLAY "NO. OF REC WRITTEN = " DISCNT  
11 2880\TERMINATE CUM-REP.  
10 2890\CLOSE INFILE OTFILE.  
9 2900\STOP RUN.  
8 2910\\$:ENDJOB

APPENDIX A.3  
PROGRAM LISTINGS - MOD500.R - MOD500.S

CATALOG/FILE DESCRIPTION= RCS/MOD500.R

010#N,R(AC)  
020\$:IDENT:WP0955,LCRER(81) CJW 72751 MOD500.R  
030\$:LIMITS:15,,,1 K  
040\$:OPTION:NOMAP  
050\$:GMAP:NDECK  
060:600SM  
070:SORt:FCB,,12  
080:FIELD:(C30,c2,c3,c3,c2,c10,c7)  
090:SEQ:(A5,D7)  
100:PICK:SELECT,(3),(=BH DAF)  
110:FILCB:FCB,\*,2  
120:BND  
130\$:EXECUTE  
140\$:LIMITS:15,,,1 K  
150\$:TAPE:SA,X1D,,71289,,MODRAN  
160\$:FILE:S1,S1R,2 R  
170\$:FILE:S2,S2R,2 R  
180\$:FILE:S3,S3R,2 R  
190\$:FILE:SZ,A1S,3 L  
200\$:OPTION:COBOL,NOMAP  
210\$:SELECT:RCS/MOD500,O  
220\$:EXECUTE  
230\$:LIMITS:15,,,1 K  
240\$:FILE:AA,A1R,3 L  
250\$:REMOTE:BB,AC  
260\$:ENDJOB

CATALOG/FILE DESCRIPTION= RCS/MOD500.S

0001##MOVE,ROUT(AC) :,8,16}\,12,30  
0002\$:IDENT:WP0955,MMRER/CJW 72751 MOD500.S  
0003\$:LIMITS:15,,,9K  
0004\$:OPTION:NOMAP  
0005\$:COBOL:DECK  
0006\$:PRMFL:C\*,W,S,RCS/MOD500,O  
U010:IDENTIFICATION DIVISION.  
0020:PROGRAM-ID. MOD500.  
0030:ENVIRONMENT DIVISION.  
0040:CONFIGURATION SECTION.  
0050:SPECIAL-NAMES.  
0060\COMPILE ERRORS.  
0070:FILE-CONTROL.  
0080\SELECT INFILE ASSIGN TO AA.  
0090\SELECT OTFILE ASSIGN TO BB FOR LISTING.  
0100:I-O-CONTROL.  
0110\APPLY STANDARD ON INFILE OTFILE.  
0120:DATA DIVISION.  
0130:FILE SECTION.  
0140:FD INFILE  
0150\LABEL RECORDS STANDARD.  
0160:01 INREC.  
0170\03 FILLER\PIC X(72).  
0180:FD OTFILE  
0190\LABEL RECORDS ARE STANDARD  
0200\REPORT IS CUM-REP.  
0210:WORKING-STORAGE SECTION.  
0220:77 INCNT\PIC 9(7) VALUE 0 COMP-1.  
0230:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.  
0240:77 DISCNT\PIC Z(6)9.  
0250:77 REQTOT\PIC 9(7) VALUE 0 COMP-1.  
0260:77 AMT\PIC 9(7) VALUE 0 COMP-1.  
0270:77 DATE\PIC X(9).  
0280:77 ALLTOT\PIC 9(7) VALUE 0 COMP-1.  
0290:77 ALLOC\PIC 9(7) VALUE 0 COMP-1.  
0300:77 HLD-ALC\PIC XX VALUE SPACE.  
0310:01 IEHC.  
0320\03 PC\PIC XXXX.  
0330\03 FY\PIC XX.  
0340\03 RGC\PIC X.  
0350\03 KS\PIC X(1).  
0360\03 MDS\PIC X(10).  
0370\03 WBS\PIC X(5).  
0380\03 CUS\PIC XXX.  
0390\03 OC\PIC X.  
0400\03 FAC\PIC XX.  
0410\03 ALC\PIC XX.  
0420\03 DRAV\PIC X.  
0430\03 RID\PIC XX,  
0440\03 QTY\PIC 9(7),  
0450\03 REQ\PIC 9(7),  
0460\03 MD\PIC X(5).  
0470\03 PRIN\PIC 99.  
0480\03 ADCL\PIC 9(7),  
0490\03 CUSS\PIC X.  
0500:REPORT SECTION.  
0510:RD CUM-REP

0520\CONTROLS ARE HLD-ALC  
0530\PAGE LIMIT IS 55 LINES  
0540\HEADING 1  
0550\FIRST DETAIL 8.  
0560:01 TYPE IS CF.HLD-ALC NEXT GROUP IS NEXT PAGE,  
0570: 02 LINE PLUS 01.  
0580:01 TYPE IS PH.  
0590: 02 LINE PLUS 01.  
0600\03 COLUMN 33\SIZE 39 VALUE  
0610\"DPEM REQUIREMENT-ALLOCATION SUMMARY BY ",  
0620\03 COLUMN 72\SIZE 25 VALUE  
0630\"HIGH BURNER WEAPON SYSTEM".  
0640: 02 LINE PLUS 01.  
0650\03 COLUMN 10\PIC X(9) SOURCE DATE.  
0660\03 COLUMN 50\SIZE 11 VALUE "FISCAL YEAR".  
0670\03 COLUMN 62\PIC XX SOURCE FY.  
0680\03 COLUMN 80\SIZE 3 VALUE "ALC".  
0690\03 COLUMN 85\PIC XX SOURCE ALC.  
0700\03 COLUMN 122\SIZE 4 VALUE "PAGE".  
0710\03 COLUMN 127\PIC ZZZ9 SOURCE PAGE-COUNTER.  
0720: 02 LINE PLUS 02.  
0730\03 COLUMN 7\SIZE 51 VALUE  
0740\"MODEL PSEUDO REPAIR CUSTOMER WORKLOAD BREAK-",  
0750\03 COLUMN 59\SIZE 52 VALUE  
0760\"LEVEL OF REQUIREMENT CUMMULATIVE REQMT ALLOCATED".  
0770\03 COLUMN 114\SIZE 16 VALUE "CUMMULATIVE ALLO".  
0780: 02 LINE PLUS 01.  
0790\03 COLUMN 3\SIZE 55 VALUE  
0800\"DESIGN SERIES CODE GROUP CAT CODE DOWN STRUCTURE",  
0810\03 COLUMN 59\SIZE 55 VALUE  
0820\"PRIORITY DOLLARS(\$000) DOLLARS (\$000) DOLLARS (\$000)",  
0830\03 COLUMN 115\SIZE 14 VALUE "DOLLARS (\$000)".  
0840:01 RL TYPE DE LINE PLUS 01.  
0850\03 COLUMN 4\PIC X(10) SOURCE MDS.  
0860\03 COLUMN 18\PIC XXXX SOURCE PC.  
0870\03 COLUMN 29\PIC X SOURCE RGC.  
0880\03 COLUMN 36\PIC XXX SOURCE CUS.  
0890\03 COLUMN 47\PIC X(5) SOURCE WBS.  
0900\03 COLUMN 62\PIC 99 SOURCE PRI.  
0910\03 COLUMN 70\PIC Z,ZZZ,ZZ9 SOURCE REQ.  
0920\03 COLUMN 86\PIC Z,ZZZ,ZZ9 SOURCE REQTOT.  
0930\03 COLUMN 102\PIC Z,ZZZ,ZZ9 SOURCE ADOL.  
0940\03 COLUMN 117\PIC Z,ZZZ,ZZ9 SOURCE ALLTOT.  
0950:PROCEDURE DIVISION.  
0960:START-0.  
0970\OPEN INPUT INFILE OUTPUT OTFILE.  
0980\ACCEPT DATE.  
0990\INITIATE CUM-REP.  
1000:READ-10.  
1010\READ INFILE AT END GO TO END-20.  
1020\ADD 1 TO INCNT.  
1030\MOVE INREC TO IREC.  
1040\IF ALC NOT EQUAL TO HLD-ALC MOVE 0 TO REQTOT ALLTOT  
1050\ MOVE ALC TO HLD-ALC.  
1060\IF REQ LESS THAN 500 GO TO READ-10.  
1070\MOVE REQ TO AMT.  
1080\ADD AMT TO REQTOT.  
1090\MOVE ADOL TO ALLOC.  
1100\ADD ALLOC TO ALLTOT.  
1110:GEN-15.

1120\GENERATE RL.  
1130\ADD 1 TO OTCNT.  
1140\GO TO READ-10.  
1150:END-20.  
1160\MOVE INCNT TO DISCNT.  
1170\DISPLAY "NO. OF REC READ = " DISCNT.  
1180\MOVE OTCNT TO DISCNT.  
1190\DISPLAY "NO. OF REC WRITTEN = " DISCNT.  
1200\TERMINATE CUM-REP.  
1210\CLOSE INFILE OTFILE.  
1220\STOP RUN.  
1230\$:ENDJOB

APPENDIX A.9

PROGRAM LISTINGS - MODALC.R - MODALC.S

CATALOG/FILE DESCRIPTION= RCS/MODALC.R

```
010##N
020$:IDENT:WP0955,LOREK(81) CJW      72751 MODALC.R
030$:LIMITS:15,,,1-K
040$:OPTION:NOMAP
050$:GMAP:NDECK
060:600SM
070:SORT:FCB,,12
080:FIELD:(C6,C1,C23,C2,C3,C3,C2,C17,C5)
090:SEQ:(A7,A9,A2)
100:FICK:SELECT,(5), (=BH DAF)
110:FILE:FCB,**,2
120:END
130$:EXECUTE
140$:LIMITS:15,,,1-K
150$:TAPE:S1,X1D,,71289,,MODRAN
160$:FILE:S1,S1R,2'L
170$:FILE:S2,S2R,2'L
180$:FILE:S3,S3R,2'L
190$:FILE:S2,A1S,3'L
200$:OPTION:COBOL,NOMAP
210$:SELECT:RCS/MODALC.O
220$:EXECUTE
230$:LIMITS:15,,,1-K
240$:FILE:XA,A1R,3'L
250$:SYSOUT:BB
260$:ENDJOB
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CATALOG/FILE DESCRIPTION= RCS/MODALC.S

10##M :,,8,16;,,12,30  
20\$:IDENT:WP0955,MMRDR/CJW 72751 MODALC.S  
30\$:LIMITS:15,,,9K  
40\$:OPTION:NOMAP  
50\$:COBOL:DECK  
60\$:PRMFL:C\*,W,S,RCS/MODALC.O  
70:IDENTIFICATION DIVISION.  
80:PROGRAM-ID. MODALC.  
90:ENVIRONMENT DIVISION.  
100:CONFIGURATION SECTION.  
110:SPECIAL-NAMES.  
120\COMPILE ERRORS.  
130:FILE-CONTROL.  
140\SELECT INFILE ASSIGN TO AA.  
150\SELECT OTFILE ASSIGN TO BB FOR LISTING.  
160:I-O-CONTROL.  
170\APPLY STANDARD ON INFILE OTFILE.  
180:DATA DIVISION.  
190:FILE SECTION.  
200:FD INFILE  
210\LABEL RECORDS STANDARD.  
220:01 IRFC.  
230\ 3 FILLER\PIC X(72).  
240:FD OTFILE  
250\LABEL RECORDS ARE STANDARD  
260\REPORT IS CUM-REP.  
270:WORKING-STORAGE SECTION.  
280:77 INCNT\PIC 9(7) VALUE 0 COMP-1.  
290:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.  
300:77 DISCNT\PIC Z(6)9.  
310:77 REOTOT\PIC 9(7) VALUE 0 COMP-1.  
320:77 AMT\PIC 9(7) VALUE 0 COMP-1.  
330:77 TODAY\PIC X(9).  
332:77 DATE\PIC X(9).  
335:77 TODAYS-DATE\PIC X(9).  
340:77 ALLTOT\PIC 9(7) VALUE 0 COMP-1.  
350:77 ALLOC\PIC 9(7) VALUE 0 COMP-1.  
360:77 HLD-ALC\PIC XX VALUE SPACE.  
370:01 IRFC.  
380\ 3 PC\PIC XXXX.  
390\ 3 FY\PIC XX.  
400\ 3 RGC\PIC X.  
410\ 3 KS\PIC X(10).  
420\ 3 MDS\PIC X(1).  
430\ 3 WBS\PIC X(5).  
440\ 3 CUS\PIC XXX.  
450\ 3 OC\PIC X.  
460\ 3 FAC\PIC XX.  
470\ 3 ALC\PIC XX.  
480\ 3 DRAW\PIC X.  
483\ 3 RID\PIC XX.  
486\ 3 OTY\PIC 9(7).  
490\ 3 REQ\PIC 9(7).  
500\ 3 MD\PIC X(5).  
510\ 3 PRN\PIC 99.  
520\ 3 ADOL\PIC 9(7).  
530\ 3 FILLER\PIC X.

540:REPORT SECTION.  
550:PD CUM-REP  
560\CONTROLS ARE HLD-ALC  
570\PAGE LIMIT IS 55 LINES  
580\HEADING 1  
590\FIRST DETAIL 8.  
600:01 TYPE IS CF HLD-ALC NEXT GROUP IS NEXT PAGE,  
610: 02 LINE PLUS 01.  
620:01 TYPE IS PH.  
630: 02 LINE PLUS 01.  
640\03 COLUMN 42\SIZE 46 VALUE  
650\"DPEM REQUIREMENT-ALLOCATION SUMMARY BY MANAGER".  
660: 02 LINE PLUS 01.  
670\ 3 COLUMN 10\PIC X(9) SOURCE TODAYS-DATE.  
680\ 3 COLUMN 50\SIZE 11 VALUE "FISCAL YEAR".  
690\ 3 COLUMN 62\PIC XX SOURCE FY.  
700\ 3 COLUMN 80\SIZE 3 VALUE "ALC".  
710\ 3 COLUMN 85\PIC XX SOURCE ALC.  
720\ 3 COLUMN 122\SIZE 4 VALUE "PAGE".  
730\ 3 COLUMN 127\PIC ZZ79 SOURCE PAGE-COUNTER.  
740: 02 LINE PLUS 02.  
750\ 3 COLUMN 7\SIZE 51 VALUE  
760"MODEL PSEUDO REPAIR CUSTOMER WORKLOAD BREAK-".  
770\ 3 COLUMN 59\SIZE 52 VALUE  
780"LEVEL OF REQUIREMENT CUMMULATIVE REQMT ALLOCATED".  
790\ 3 COLUMN 114\SIZE 16 VALUE "CUMMULATIVE ALLO".  
800: 02 LINE PLUS 01.  
810\ 3 COLUMN 3\SIZE 55 VALUE  
820"DESIGN SERIES CODE GROUP CAT CODE DOWN STRUCTURE".  
830\ 3 COLUMN 59\SIZE 55 VALUE  
840"PRIORITY DOLLARS(\$000) DOLLARS (\$000) DOLLARS (\$000)".  
850\ 3 COLUMN 115\SIZE 14 VALUE "DOLLARS (\$000)".  
860:01 RL TYPE DE LINE PLUS 01.  
870\ 3 COLUMN 4\PIC X(10) SOURCE MDS.  
880\03 COLUMN 18\PIC XXXX SOURCE PC.  
890\ 3 COLUMN 29\PIC X SOURCE FGC.  
900\ 3 COLUMN 36\PIC XXX SOURCE CUS.  
910\03 COLUMN 47\PIC X(5) SOURCE WHS.  
920\ 3 COLUMN 62\PIC 99 SOURCE PRI.  
930\ 3 COLUMN 70\PIC Z,ZZZ,ZZ9 SOURCE REQ.  
940\ 3 COLUMN 86\PIC Z,ZZZ,ZZ9 SOURCE REQTOT.  
950\ 3 COLUMN 102\PIC Z,ZZZ,ZZ9 SOURCE ADOL.  
960\ 3 COLUMN 117\PIC Z,ZZZ,ZZ9 SOURCE ALLTOT.  
970:PROCEDURE DIVISION.  
980:START-J.  
990\OPEN INPUT INFILE OUTPUT OTFILE.  
1000\ACCEPT DATE.  
1010\INITIATE CUM-REP.  
1020:READ-10.  
1030\READ INFILE AT END GO TO END-20.  
1040\ADD 1 TO INCNT.  
1050\MOVE INREC TO IREC.  
1060\IF ALC NOT EQUAL TO HLD-ALC MOVE 0 TO R+QTOT ALLTOT  
1070\ MOVE ALC TO HLD-ALC.  
1080\MOVE REQ TO AMT.  
1090\ADD AMT TO REQTOT.  
1100\MOVE ADOL TO ALLOC.  
1110\ADD ALLOC TO ALLTOT.  
1120:GENT-15.  
4 1130\GENERATE RL.

1140\ADD 1 TO OTCNT.  
1150\GO TO READ-10.  
1160:END-20.  
1170\MOVE INCNT TO DISCNT.  
1180\DISPLAY "NO. OF REC READ = " DISCNT.  
1190\MOVE OTCNT TO DISCNT.  
1200\DISPLAY "NO. OF REC WRITTEN = " DISCNT.  
1210\TERMINATE CUM-REP.  
1220\CLOSE INFILE OTFILE.  
1230\STOP RUN.  
1240\$:ENDJOB

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APPENDIX A.10

PROGRAM LISTINGS - MODPRI.R - MODPRI.S

CATALOG/FILE DESCRIPTION= RCS/MODPRI,R

```
010##N,R(AC)
020$:IDENT:WP0955,L0RER(81) CJW      72751 MODPRI,R
030$:LIMITS:15,,,1K
040$:OPTION:NOMAF
050$:GMAP:NDECK
060:600SM
070:SORT:FCB,,12
080:FIELD:(C30,C2,C3,C3,C2,C22,C2)
090:SEQ:(A5,A7)
100:PICK:SELECT,(3),(=5H DAF)
110:FILCB:FCB,*,*,2
120:END
130$:EXECUTE
140$:LIMITS:15,,,1 K
150$:TAPA:SA,X1D,,71289,,MODRAN
160$:FILE:S1,S1R,2 R
170$:FILE:S2,S2R,2 R
180$:FILE:S3,S3R,2 R
190$:FILE:S7,A1S,3 L
200$:OPTION:COBOL,NOMAF
210$:SELECT:RCS/MODPRI,O
220$:EXECUTE
230$:LIMITS:15,,,1 K
240$:FILE:AA,A1R,3 L
250$:REMOTE:BB,AC
260$:ENDJOB
```

CATALOG/FILE DESCRIPTION= RCS/MODPRI,S

10#MOVE, RQUI(AC) : , 8, 16; \, 12, 30  
20\$:IDENT:WP0955, MMRER/CJW 72751 MODPRI,S  
30\$:LIMITS:15,,,9K  
40\$:OPTION:NOMAP  
50\$:COBOL:DECK  
55\$:PRMFL:C\*, W, S, RCS/MODPRI.C  
60:IDENTIFICATION DIVISION.  
70:PROGRAM-ID. MODPRI.  
80:ENVIRONMENT DIVISION.  
90:CONFIGURATION SECTION.  
100:SPECIAL-NAMES.  
110\COMPILE ERRORS.  
120:FILE-CONTROL.  
130\SELECT INFILE ASSIGN TO AA.  
140\SELECT OTFILE ASSIGN TO BB FOR LISTING.  
150:I-O-CONTROL.  
160\APPLY STANDARD ON INFILE OTFILE.  
170:DATA DIVISION.  
180:FILE SECTION.  
190:FD INFILE  
200\LABEL RECORDS STANDARD.  
210:01 INREC.  
220\3 FILLER\PIC X(72).  
230:FD OTFILE  
240\LABEL RECORDS ARE STANDARD  
250\REPORT IS CUM-REP.  
260:WORKING-STORAGE SECTION.  
270:77 INCHT\PIC 9(7) VALUE 0 COMP-1.  
280:77 OUTCH\PIC 9(7) VALUE 0 COMP-1.  
290:77 DISCHT\PIC Z(6)9.  
300:77 PHOTOT\PIC 9(7) VALUE 0 COMP-1.  
310:77 AMT\PIC 9(7) VALUE 0 COMP-1.  
320:77 DATA\PIC X(9).  
330:77 ALLOTOT\PIC 9(7) VALUE 0 COMP-1.  
340:77 ALLOC\PIC 9(7) VALUE 0 COMP-1.  
350: 1 IREC.  
360\3 PC\PIC XXXX.  
370\3 FYN\PIC XX.  
380\3 RGC\PIC X.  
390\3 KS\PIC X(10).  
400\3 MDS\PIC X(1).  
410\3 WBS\PIC X(5).  
420\3 CUS\PIC XXX.  
430\3 OC\PIC X.  
440\3 FAC\PIC XX.  
450\03 ALC\PIC XX.  
460\03 DRAW\PIC X.  
463\03 RID\PIC XX.  
12 466\03 OTY\PIC 9(7).  
11 470\03 REON\PIC 9(7).  
10 480\03 ML\PIC X(5).  
9 490\03 PRIN\PIC 99.  
8 500\03 ADOL\PIC 9(7).  
7 510\3 FILLER\PIC X.  
6 520:REPORT SECTION.  
5 530:RD CUM-REP  
4 540\PAGE LIMIT IS 55 LINES

550\HEADING 1  
 560\FIRST DETAIL 8.  
 570:01 TYPE IS PH.  
 580: 02 LINE PLUS 01.  
 590\ 3 COLUMN 35\SIZE 39 VALUE  
 600\"DPEM REQUIREMENT-ALLOCATION SUMMARY BY ".  
 610\ 3 COLUMN 74\SIZE 22 VALUE  
 620\"WEAPON SYSTEM PRIORITY".  
 630: 02 LINE PLUS 01.  
 640\ 3 COLUMN 10\PIC X(9) SOURCE DATE.  
 650\ 3 COLUMN 50\SIZE 11 VALUE "FISCAL YEAR".  
 660\ 3 COLUMN 62\PIC X4 SOURCE FY.  
 670\ 3 COLUMN 122\SIZE 4 VALUE "PAGE".  
 680\ 3 COLUMN 127\PIC ZZZ9 SOURCE PAGE-COUNTER.  
 690: 02 LINE PLUS 02.  
 700\ 3 COLUMN 7\SIZE 51 VALUE  
 710\"MODEL PSEUDO REPAIR CUSTOMER WORKLOAD BREAK-".  
 720\ 3 COLUMN 53\SIZE 52 VALUE  
 730\"LEVEL OF REQUIREMENT CUMMULATIVE REQMT ALLOCATED".  
 740\ 3 COLUMN 114\SIZE 16 VALUE "CUMMULATIVE ALLO".  
 750: 02 LINE PLUS 01.  
 760\ 3 COLUMN 3\SIZE 55 VALUE  
 770\"DESIGN SERIES CODE GROUP CAT CODE DOWN STRUCTURE".  
 780\ 3 COLUMN 59\SIZE 55 VALUE  
 790\"PRIORITY DOLLARS(\$000) DOLLARS (\$000) DOLLARS (\$000)".  
 800\ 3 COLUMN 115\SIZE 14 VALUE "DOLLARS (\$000)".  
 810:01 RL TYPE DF LINE PLUS 01.  
 820\ 3 COLUMN 4\PIC X(10) SOURCE MDS.  
 830\ 3 COLUMN 18\PIC XXXX SOURCE PC.  
 840\ 3 COLUMN 29\PIC X SOURCE RGC.  
 850\ 3 COLUMN 36\PIC XXX SOURCE CUS.  
 860\ 3 COLUMN 47\PIC X(5) SOURCE WES.  
 870\ 3 COLUMN 62\PIC 99 SOURCE PRI.  
 880\ 3 COLUMN 70\PIC Z,ZZZ,ZZ9 SOURCE REQ.  
 890\ 3 COLUMN 86\PIC Z,ZZZ,ZZ9 SOURCE REQTOT.  
 900\ 3 COLUMN 102\PIC Z,ZZZ,ZZ9 SOURCE ADOL.  
 910\ 3 COLUMN 117\PIC Z,ZZZ,ZZ9 SOURCE ALLTOT.  
 920:PROCEDURE DIVISION.  
 930:START-0.  
 940\OPEN INPUT INFILE OUTPUT OFFILE.  
 950\ACCEPT DATE.  
 960\INITIATE CUM-REP.  
 970:READ-10.  
 980\READ INFILE AT END GO TO END-20.  
 990\ADD 1 TO INCNT.  
 1000\MOVE INREC TO IREC.  
 1010\MOVE REQ TO AMT.  
 1020\ADD AMT TO REQTOT.  
 1030\MOVE ADOL TO ALLOC.  
 1040\ADD ALLOC TO ALLTOT.  
 1050:GEN-15.  
 1060\GENERATE RL.  
 1070\ADD 1 TO OTCNT.  
 1080\GO TO READ-10.  
 1090:END-20.  
 1100\MOVE INCNT TO DISCNT.  
 1110\DISPLAY "NO. OF REC READ = " DISCNT.  
 1120\MOVE OTCNT TO DISCNT.  
 1130\DISPLAY "NO. OF REC WRITTEN = " DISCNT.  
 1140\TERMINATE CUM-REP.

1150\CLOSE INFILE OTFILE.  
1160\STOP RUN.  
1170\$ENDJOB

12  
11  
10  
9  
8  
7  
6  
5  
4  
3

APPENDIX B.1  
FORTRAN SAMPLE MODEL PCT

FORT  
OLD OR NEW=0 MODELPCT82  
ERP-FILE NAME >8 CHARACTERS  
OLD OR NEW=0 MODELPCT  
READY  
\*RUN  
THE FOLLOWING ROUTINE ALLOWS YOU TO CHOOSE THE BUDGET  
PARAMETERS FOR ALLOCATING DPEM FUNDING. PLEASE ANSWER  
EACH QUESTION WITH THE NUMERIC VALUE YOU WANT

WHAT IS THE TOTAL BUDGET AVAILABLE?

=1650977

WHAT \$ FUNDING DO YOU WANT FOR EACH OF THE FOLLOWING?

AFR, ANG, DA, DAF, DN, MAC, MAP, SYS, AND OTHER

PLEASE INPUT THE VALUES IN ORDER AND REMEMBER TO CHECK  
THAT THEY SUM TO THE BUDGET TOTAL

=43782

=89775

=540

=1340526

=27278

=101981

=524

=22040

=24531

WHAT IS THE FISCAL YEAR OF THE BUDGET?

=32

\*\*\*\*\*SUMMARY OF INPUT PARAMETERS\*\*\*\*\*

FISCAL YEAP 32

BUDG 1650977

\$AFR 0043782

\$ANG 0039775

\$DA 0000540

\$DAF 1340526

\$DN 0027278

\$MAC 0101981

\$MAP 0000524

\$SYS 0022040

\$OTH 0024531

\*

763

APPENDIX B.2

FORTRAN SAMPLE MODELPCS

AD-A041 426

AIR FORCE LOGISTICS COMMAND WRIGHT-PATTERSON AFB OHIO--ETC F/G 15/5  
AN OPERATIONAL VERSION OF THE DEPOT PURCHASED EQUIPMENT MAINTEN--ETC(U)  
JAN 77 H D HILLIS, G C MILBORROW, M L REED

UNCLASSIFIED

WORKING PAPER-90

AFLC-77-1

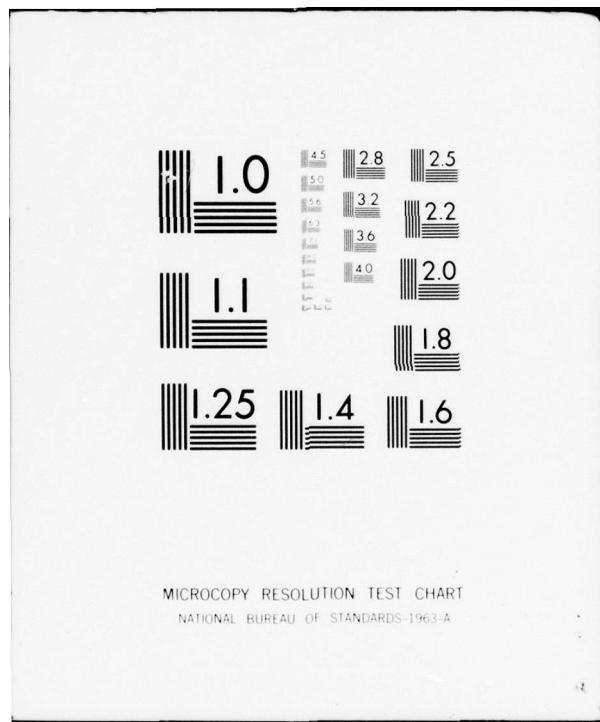
NL

2 OF 2  
AD  
A041426



END

DATE  
FILMED  
7-77



SYSTEM ? FORT

OLD OR NEW O MODELPSCS

READY

\* RUN

ALLOCATION PERCENT FILE MAINTENANCE PROGRAM ENTER THE FOLLOWING IDENTIFYING DATA FY, CUC, DRAW, OC.

= (Enter values separated by commas)

Enter the percents to be changed using the decimal form.

TYPE IN 99. FOR THOSE PERCENTS NOT BEING CHANGED.

DRAW %, OC %, ACFT %, MISS %, ENG %, OMEI %, EXCH %,  
AND ABM %.

= (Enter values separated by commas)

DO YOU HAVE MORE CORRECTIONS (Y OR N)?

= (Enter Y or N)

NOTE: Percentage changes will be reflected in the data file NEWPER.

APPENDIX C.1  
DATAFILE SAMPLE MODPCT

\*BCDASC3

BCDASC MODPCT  
LINE NUMBERS?  
TAB CHARACTERS AND SETTINGS?  
\*LIST

FY	TOTAL	AFR	ANG	DA	DAF	DN	MAC	MAP	SYS	OTH
82	1650977	0043782	089775	0000540	0340526	0027273	0131981	00000524	0022040	00024531

READY

\*

C.1-1

BYE  
CREATE OFF AT 7.198

APPENDIX C.2

DATAFILE SAMPLE REOPER

**DATAFILE REQPER**

APPENDIX C.3

DATAFILE SAMPLE REQDOL

**DATAFILE REQDOL**

APPENDIX C.4

DATAFILE SAMPLE 3 PAGE.B

3PAGE. 8 = FILE OF  
FUNDING PRIORITY

	MD OR MDS CODE	MD	MDS
AI	AIM4 , AIM004A		
ADA	437 R, 437/RURN		
AI	AIM4 , AIM004D		
AI	AIM4 , AIM004E		
AI	AIM4 , AIM004G		
AE	AIM9 , AIM009R		
AJ	BOM34 , BOM034R		
AJ	BOM34 , BOM034A		
AJ	BOM34 , BOM034F		
AJ	BOM34 , BOM034E		
AK	GGM16 , GGM016F		
AL	CIM10 , CIM010R		
AM	COM10 , COM010A		
AN	LGM25 , LGM025C		
AH	LGM30 , LGM030A		
AH	LGM30 , LGM030C		
AH	LGM30 , LGM030R		
AH	LGM30 , LGM030F		
AH	LGM30 , LGM030G		
AO	PGM17 , PGM017A		
AR	SLV , WS96		
AR	SLV , DSP		
YY	ELCOM , MC05		
AB	ADM20 , ADM020C		
AG	AGM28 , AGM028R		
AF	AGM45 , AGM045A		
AB	AGM69 , AGM069A		
AC	AGM65 , AGM065A		
ACF	HGM16 , HGM016F		
RCA	C131 , C131A	10	
RCB	C131 , C131R	20	
BCD	C131 , C131D	30	
BCE	C131 , C131E	40	
RCF	C131 , C131H		
RCG	C131 , C131X	50	
BC	C131 , VC131A		
BC	C131 , VC131D		
RCH	C131 , VC131H	60	
BCJ	T29 , T029A	70	
BCK	T29 , VT029A	80	
RCL	T29 , T029R	90	
RGM	T29 , VT029R	100	
BCN	T29 , T029C	110	
BCP	T29 , VT029C	0	
BCR	T29 , T029B	130	
BCS	T29 , VT029B	140	
BC	T29 , VT029E		
BC	T29 , CT029A		
RCX	T29 , T029X		
RC	T29 , ET029B		
RD	U10 , U010A		
RDB	U10 , U010R	150	
RBD	U10 , U010D	160	
REA	F4 , F004A	170	
RFB	F4 , F004R	180	
RFC	F4 , RF004B	190	
RFD	F4 , F004C	200	

BFF	F4	,RF004C	210
BFF	F4	,F004D	220
BFG	F4	,F004E	230
BFH	F4	,F004G	240
BFR	F4	,F004F	
BFJ	F4	,F004J	250
BFK	F4	,F004M	
RHA	F102	,F102A	260
RHB	F102	,TF102A	270
RJA	F111	,F111A	280
RJC	F111	,F111C	290
RJP	F111	,F111D	300
RJE	F111	,F111E	310
RJF	F111	,F111F	320
RJG	F111	,RF111A	330
RJH	F111	,EF111A	340
BRA	B111	,FB111	
BR	B111	,FB111A	
RKA	F106	,F106A	350
RKB	F106	,F106R	360
RPA	H17	,H017A	370
RPB	H17	,H017R	380
RPC	H17	,H017C	390
<hr/>			
RXA	C7	,C007A	410
RXZ	C7	,C007Z	420
RYA	C8	,C008	430
RYB	C8	,XC008A	
RZ	H53	,H053R	
RZ	H53	,H053C	
RZA	H53	,HH053R	440
RZB	H53	,CH053C	450
RZC	H53	,HH053C	460
CFF	WSM4A	,WSM004A	
CFF	WSM4C	,WSM004C	
CFF	WSM4F	,WSM004F	
CFA	A1	,A001F	470
CFA	02	,0002A	480
CGB	02	,0002R	
COA	C9	,C009A	490
COB	C9	,VC009C	
DAE	H13	,H0013E	500
DAG	H13	,H0013G	510
DAH	H13	,H0013H	520
DC	C47	,C047A	
DC	C47	,C047D	
BCA	C47	,C047	530
DC	C47	,AC047	
DCE	C47	,EC047D	540
DCC	C47	,EC047	550
DC	C47	,EC047N	
DC	C47	,EC047P	
DCB	C47	,HC047	560
DCE	C47	,RC047	570
DCE	C47	,TC047	580
DCG	C47	,VC047	590
DC	C47	,VC047A	
DC	C47	,VC047B	
DCH	C47	,C047Y	600
DCM	C117	,C117	610

PCX	C117	,C117X	628
PDE	H23	,0H023F	638
PEA	C54	,C054D	648
PEB	C54	,HC054D	658
PEC	C54	,TC054D	668
PDE	C54	,C054E	
PEG	C54	,C054G	
PEX	C54	,C054X	678
PEZ	C54	,C054Z	688
PEC	H34	,CH034C	698
DEF	H34	,UH034D	708
DEF	H34	,UH034J	718
DHA	C118	,C118A	728
DHR	C118	,VC118A	738
DHX	C118	,C118X	748
DH	C118	,EC118A	
DJC	C124	,C124C	758
DKA	B26	,TR026	768
DKB	B26	,VR026R	778
DKK	B26	,B026K	788
DEA	B66	,ER066H	798
DLB	B66	,RR066B	808
DLC	B66	,EB066C	818
DLI	B66	,ER066D	828
DLF	B66	,ER066E	838
DL	B66	,WR066D	
DMA	C133	,C133A	848
DMB	C133	,C133R	858
DUA	S2	,S002D	868
DVA	C10	,C018	878
DZB	B22	,0H022R	888
FCJ	F89	,F089J	898
EVA	OV10	,OV010A	90
FEA	R47	,B047R	918
FER	R47	,TR047R	928
FEB	R47	,B047E	938
FEE	R47	,RR047F	948
FFG	R47	,WR047F	958
FFH	R47	,RR047H	968
FFD	B50	,WR050D	978
FGA	B52	,B052A	988
FGB	B52	,B052R	998
FGC	B52	,B052C	1008
FGD	B52	,B052D	1018
FGF	B52	,B052F	1028
FGF	B52	,B052F	1038
FGG	B52	,B052G	1048
FGH	B52	,B052H	1058
FHC	C97	,C097C	1068
FHD	C97	,C097D	1078
FHE	C97	,C097G	
FHG	C97	,KC097G	1088
FHL	C97	,KC097L	1098
FEA	C135	,C135A	1108
FER	C135	,EC135A	1118
FI	C135	,EC135C	
FI	C135	,EC135H	
FI	C135	,EC135J	
FI	C135	,EC135K	
FI	C135	,EC135L	

FL	C135	,EC135N
FL	C135	,EC135P
FLC	C135	,KC135A
		1120
FL	C135	,RC135
FL	C135	,KC1350
FL	C135	,KC135R
FLO	C135	,RC135A
		1130
FL	C135	,RC1350
FL	C135	,RC1351
FLE	C135	,C135R
FLR	C135	,C135C
FLF	C135	,WC135B
FLG	C135	,EC135C
FLH	C135	,RC135C
FLJ	C135	,RC135M
FLK	C135	,RC135S
FLL	C135	,RC135U
FLM	C135	,RC135V
FL	C135	,VC135B
FX	F15	,F015
FXA	F15	,F015A
FX	F15	,TF015
FXR	F15	,TF015A
FYA	F16	,F016A
FYB	F16	,F016R
GA	H1	,HH001H
GAE	H1	,UH001R
GAD	H1	,UH0010
GAF	H1	,TH001F
GAH	H1	,UH001H
GAN	H1	,UH001N
GAP	H1	,UH001P
GBA	H16	,HU016A
GRB	H16	,HU016R
GCA	C142	,C142
GFA	U6	,U006
GFB	U6	,U006A
GJA	H21	,CH021A
GJB	H21	,CH021R
GJC	H21	,HH021R
GMA	U7	,U007
GMA	U7	,U007A
GNA	U4	,U004A
GNB	U4	,U004R
GPA	A37	,A037
GPB	A37	,A037A
GPC	A37	,A037R
GUA	F101	,F101R
GUR	F101	,RF101R
GUC	F101	,F101C
GUD	F101	,RF101C
GUF	F101	,F101F
GUG	F101	,RF101G
GHA	F34	,F034
GHA	H47	,CH047A
JCB	H43	,HH043R
JCF	H43	,HH043F
JHA	C141	,C141
JHB	C141	,C141A

KCA	B57	, RR057A	1460
KCB	B57	, B057B	1470
KCC	B57	, B057C	1480
KCD	B57	, ER057D	1490
KCE	B57	, B057E	1500
KCF	B57	, B057G	1510
KC	B57	, ER057R	
KCH	B57	, RR057F	1520
KCJ	B57	, WR057F	
LCA	T33	, T033A	1530
LC	T33	, A1033A	
LCB	T33	, DT033A	1540
LCC	T33	, RT033A	1550
LCX	T33	, T033X	1560
LCY	T33	, OT033X	1570
LFA	C121	, C121A	1580
LFB	C121	, C121C	1590
LFC	C121	, RC121C	1600
LFD	C121	, FC121D	1610
LFE	C121	, EC121	
LFF	C121	, EC121T	1620
LFG	C121	, C121G	1630
LFH	C121	, EC121H	1640
LFK	C121	, EC121K	1650
LFR	C121	, EC121R	1660
LFX	C121	, C121X	1670
LF	C121	, FC121D	
LF	C121	, EC121S	
LF	C121	, VC121C	
LGA	C130	, C130A	1680
LGB	C130	, DC130A	1690
LGC	C130	, WC130A	1700
LGD	C130	, AC130A	1710
LG	C130	, AC130E	
LGF	C130	, AC130H	
LGE	C130	, RC130A	1720
LGH	C130	, C130R	1730
LGI	C130	, MC130B	1740
LGE	C130	, C130H	1750
EGN	C130	, C130E	1760
LEG	C130	, C130H	
LGP	C130	, DC130E	1770
LGR	C130	, MC130E	1780
LGS	C130	, HC130H	1790
LG	C130	, HC130E	
LGT	C130	, HC130H	1800
LGU	C130	, WC130H	
LGX	C130	, C130X	1810
LEY	C130	, C130Y	1820
LG	C130	, DC130H	
LG	C130	, HC130P	
LHA	C6	, C005A	1830
LJA	C6	, VC006A	1840
LKA	F104	, OF104A	1850
LKR	F104	, F104A	1860
LKC	F104	, F104R	1870
LKD	F104	, F104C	1880
LKF	F104	, F104D	1890
LKF	F104	, F104G	1900

LKG	F104	,RF104G	1910
LKH	F104	,TF104G	1920
LK	F104	,OF104	
MAD	A7	,A007D	1930
MAE	A7	,A007F	
MEG	T6	,T006G	1940
MFA	T28	,T028A	1950
MFB	T28	,T028B	1960
MFD	T28	,T028D	1970
MJA	F86	,F086B	1980
MJR	F86	,F086F	1990
MJC	F86	,RF086F	2000
MJD	F86	,F086H	2010
MLA	F100	,F100A	2020
MLC	F100	,F100C	2030
MLD	F100	,F100D	2040
MLF	F100	,F100F	2050
MSA	F51	,F051	2060
MSB	F51	,F051A	
MSC	F51	,TF051	
NDA	F84	,F084F	2070
NDB	F84	,RF084F	2080
NEB	F105	,F105B	2090
NED	F105	,F105D	2100
NEF	F105	,F105F	2110
NEG	F105	,F105G	2120
RDA	C119	,C119C	2130
RDB	C119	,C119G	2140
RDC	C119	,C119K	
RDD	C119	,C119J	2150
RDE	C119	,AC119G	2160
RDF	C119	,AC119K	2170
RDG	C119	,C119L	
RDX	C119	,C119X	2180
RER	C123	,C123R	2190
REJ	C123	,C123J	2200
RFK	C123	,C123K	2210
REY	C123	,C123Y	2220
RF	C123	,UC123K	
RE	C123	,VC123K	
SBA	MGM13	,MOM013A	
SCA	01	,0001A	
SCE	01	,0001F	2230
SCF	01	,0001F	2240
SEA	T37	,T037A	
SEB	T37	,T037R	2250
SEA	03	,0003A	2260
SFR	03	,0003R	
THR	H3	,CH003R	2270
THC	H3	,CH003C	2280
THE	H3	,CH003E	2290
TR	H3	,HH003F	
THY	H3	,HH003Y	2300
TXA	T43	,T043	2310
WHA	H19	,HH019A	2320
WFB	H19	,HH019B	2330
WDD	H19	,HH019B	2340
XCA	C137	,VC137A	2350
XCB	C137	,VC137B	
XCC	C137	,VC137C	

XDA	C140	,C140	2360
XDB	C140	,C140A	
XD	C140	,VC140R	
XFA	T38	,T038A	2370
XFX	T38	,T038X	
XF	T39	,T039	
XFA	T39	,T039A	238
XFB	T39	,T039R	
XFF	T39	,T039F	
XFX	T39	,T039X	2390
XHA	C46	,C046	2400
XHB	C46	,C046A	
XJA	F5	,F005A	2410
XJR	F5	,RF005A	2420
XJC	F5	,F005R	2430
XJE	F5	,F005E	2440
XJF	F5	,F005F	
XJX	F5	,F005X	
XXA	B58	,B058A	2450
YY	ELCOM	,GP0-T6	
YY	ELCOM	,GPS-T2	
YY	ELCOM	,JA	
YY	ELCOM	,CR11TCOM	
YS	BOATS	,3333	
YY	ELCOM	,4041	
YY	ELCOM	,4071	
YY	ELCOM	,412L	
YY	ELCOM	,416L	
YY	ELCOM	,425L	
YY	ELCOM	,433L	
ADA	437	R,437/BURN	
YY	ELCOM	,440L	
YZ	VHCLF	,4444	
YY	ELCOM	,465L	
YY	ELCOM	,466L	
YY	ELCOM	,474I	
YY	ELCOM	,474N	
YY	ELCOM	,486L	
YY	ELCOM	,489I	
YY	ELCOM	,492I	
YY	ELCOM	,494E	
YY	ELCOM	,496I	
YG	GPF00	,6666	
YW	MUNIT	,7777	
YY	ELCOM	,ZE	
YY	ELCOM	,ZH	
YY	ELCOM	,ZI	
YY	ELCOM	,ZS	
YY	ELCOM	,ZT	
YY	ELCOM	,ZU	
YY	ELCOM	,ZX	
11A	T41	,T041A	2460
11C	T41	,T041C	
11D	T41	,T041D	2470
12B	A4	,A004R	2480
13A	A10	,A010	2490
13B	A10	,A010A	
14A	U1	,U001A	2500
15A	S45	,S045	2510
16A	F8	,F008X	2520

17A	T2	, T002X	2530
18A	P2	, P002X	2540
19A	F3	, E003A	2550
20A	AU23	, AU23A	2560
20B	AU23	, AU023A	
21A	AU24	, AU24A	2570
21B	AU24	, AU024A	
22A	CX	, C00XX	
23A	C747	, EC747	2590
24A	B1	, B001	2600
24B	B1	, B001A	
25A	C11	, C011	2610
26A	H15	, MH-15	2620
27A	F37	, F37A	2630
27B	T45	, T45	2640
28A	C1	, C001X	
29A	COMM	, COMM	2660
30A	GAT1	, GAT/1	2670
31A	T10	, AP0T10	2680
32A	C12	, C012A	
33A	F4	, E004A	
35A	2T	, T002R	
42A	A0M34	, A0M034A	
TX	T43	, T043A	
888	OTHER, UNKNOWN		
888	OTHER, OTHER		2690
999	COMM, COMMON		2700

APPENDIX C.5  
DATAFILE SAMPLE NEWPER

**DATAFILE NEWPER**

APPENDIX C.6

DATAFILE SAMPLE PFILE

PFILE 82 = PRIORITY FILE FOR FY 82

MD CODE  
RELATIVE  
FUNDING  
PRIORITY

42 01  
19 02  
FG 03  
AN 04  
LH 05  
24 06  
AH 07  
JH 08  
BR 09  
FL 10  
BZ 11  
BJ 12  
BF 13  
EV 14  
FX 15  
13 16  
LG 17  
BK 18  
FY 19  
CG 20  
TH 21  
GA 22  
LC 23  
XJ 24  
GU 25  
MA 26  
23 27  
AJ 28  
BH 29  
FB 30  
XD 31  
XE 32  
TX 33  
11 34  
SE 35  
DH 36  
XF 37  
GN 38  
34 39  
KC 40  
NE 41

READY

\*

APPENDIX D  
REPORT 1  
DPEM REQUIREMENT  
ALLOCATION SUMMARY BY MODEL DESIGN

up to a minimum of 14 days, depending on the book's age. See also [Age](#).

ATE 11/12/16

PRTN CONTROL NUMBER  
PAGE 1

2 AGF

CUMULATIVE ALLOCATED  
DOLLARS (\$000)

2773

5,153  
5,153

KINETICS OF POLYMERIZATION 13

卷之三

••••? T \*\*\* A1B2C3D4E5 F6 G7 H8 I9 L10 J11 K12 M13 N14 O15 P16 Q17 R18 S19 T20 U21 V22 W23 X24 Y25 Z26

\*\*\*d\*\*\* A FORTRAN SUBROUTINE TO COMPUTE THE INTEGRAL OF A FUNCTION F(X) OVER THE INTERVAL [A,B].

5.428	5.614	6.220
70.4	76.1	76.1
HR	HR	HR
5.476	5.712	6.520
1.9	1.0	1.0
DAF	DAF	DAF
5.9	4.8	4.8
A	A	A
12.1	23.6	40.8
5.428	5.614	6.220

6.620  
6.620

6.520

卷之三

	$\text{S}_{\text{TS}}$	$\text{S}_0$	$\text{S}_{\text{TS}}$	$\text{S}_0$	$\text{S}_{\text{TS}}$	$\text{S}_0$
10	0.5	0.5	0.5	0.5	0.5	0.5
20	0.5	0.5	0.5	0.5	0.5	0.5
30	0.5	0.5	0.5	0.5	0.5	0.5
40	0.5	0.5	0.5	0.5	0.5	0.5
50	0.5	0.5	0.5	0.5	0.5	0.5
60	0.5	0.5	0.5	0.5	0.5	0.5
70	0.5	0.5	0.5	0.5	0.5	0.5
80	0.5	0.5	0.5	0.5	0.5	0.5
90	0.5	0.5	0.5	0.5	0.5	0.5
100	0.5	0.5	0.5	0.5	0.5	0.5

367

6,286  
6,677  
110,0

7,474  
848  
848  
848

**Table 4.** Values of the effect of scatter for a hypothetical team which is produced from due to uncertainty of different



TYPE REQUIREMENT-ALLOCATION SUMMARY BY DESIGN

FISCAL YEAR 77

APR XCS DATE	11/12/76	REPAIR GROUP CATEGORY	LEVEL OF PRIORITY	REQUIREMENT DOLLARS (\$000)	CUMULATIVE PRIORITY DOLLARS (\$000)	ALLOCATION DOLLARS (\$000)	PERCENT RIGHT	CUMULATIVE ALLOCATED DOLLARS (\$000)	RGN CONTROL NUMBER PAGE
***143	***	CHIEFSHIP SURVEYS	>>>>>>	0	1,717,762	0	0.0%	1,438,209	
***143	***	AIRCRAFT SURVEYS	>>>>>>	3,659	1,717,762	2,601	71.0	1,438,209	
010	NAF	J	A	29	1,717,791	21	72.4	1,438,230	
010	NAF	J	A	0	1,717,791	0	0.0%	1,438,230	
---010	---	CHIEFSHIP SURVEYS	>>>>>>	29	1,717,791	21	72.4	1,438,230	
010	ON	J	A	60	1,717,791	0	0.0%	1,438,230	
010	ON	J	A	0	1,717,791	0	0.0%	1,438,230	
---010	---	CHIEFSHIP SURVEYS	>>>>>>	60	1,717,791	0	0.0%	1,438,230	
010	SAC	J	A	60	1,717,791	0	0.0%	1,438,230	
---010	---	CHIEFSHIP SURVEYS	>>>>>>	60	1,717,791	0	0.0%	1,438,230	
010	SAC	J	A	0	1,717,791	0	0.0%	1,438,230	
---010	---	CHIEFSHIP SURVEYS	>>>>>>	0	1,717,791	0	0.0%	1,438,230	
010	NAF	J	A	54	1,717,845	59	72.2	1,438,269	
010	NAF	J	A	0	1,717,845	0	0.0%	1,438,269	
---010	---	CHIEFSHIP SURVEYS	>>>>>>	54	1,717,845	59	72.2	1,438,269	
010	ON	J	A	4	1,717,849	4	100.0	1,438,273	
---010	---	CHIEFSHIP SURVEYS	>>>>>>	4	1,717,849	4	100.0	1,438,273	
010	AIRCRAFT SURVEYS	>>>>>>	A	58	1,717,849	4.5	74.1	1,438,273	
010	NAF	J	A	5	1,717,854	5	100.0	1,438,274	
010	NAF	J	A	0	1,717,854	0	0.0%	1,438,274	
---010	---	CHIEFSHIP SURVEYS	>>>>>>	5	1,717,854	5	100.0	1,438,274	
010	ON	J	A	2	1,717,856	2	100.0	1,438,280	
010	ON	J	A	0	1,717,856	0	0.0%	1,438,280	

\*\*\* VALUE IN THE APPLICABLE PRIORITY IS A DECIMAL ZERO WHICH INDICATES THAT THERE IS NO UNCERTAINTY OF QUANTITY

STATEMENT-ALLOCATION SUMMARY BY MUNICIPALITY  
FISCAL YEAR 77  
11/12/76

PCN CONTROL NUMBER  
PAGE 4A

APPENDIX E  
REPORT 2  
DPEM REQUIREMENT  
ALLOCATION SUMMARY BY HIGH S BURNER  
WEAPON SYSTEM

MODEL DESIGN SERIES	ASR(No) Rate	FRESH GROUP CAT	CUSTOMER NAME	LOAD BREAK- DOWN STRUCTURE	LEVEL OF PRIORITY	REQUIREMENT (INITIALS)	CUMULATIVE REQUEST (INITIALS)	ALLOCATED DOLLARS (\$000)	CUMULATIVE ALLOCATED DOLLARS (\$000) DOLLARS (\$000)	PAGE
										1
A0076	0.0076	A	DAF	MAPA	20	45,014	45,014	37,465	37,465	
40526	0.0526	B-101	DAF	LEFGA	05	36,639	81,657	33,763	71,228	
40670	0.0670	0.050	DAF	LEFGA	20	21,652	103,309	17,660	88,886	
C1358	0.1358	B-102	DAF	SYN	19	20,387	12,496	8,408	97,296	
U01374	0.01374	F-101	DAF	SYN	15	18,410	141,906	18,410	115,706	
K01348	0.01348	F-102	DAF	LEFLC8	19	9,587	151,493	6,818	124,524	
A0075	0.0075	E-002	DAF	LEFLC4	20	16,623	161,116	1,851	126,375	
F0040	0.0040	D-002	DAF	LEFLC9	24	6,873	166,989	5,936	132,311	
F1111	0.1111	B-104	DAF	LEFLC4	25	6,234	173,223	5,384	137,695	
F1114	0.1114	B-104	DAF	LEFLC4	25	6,075	179,298	5,247	142,942	
F0045	0.0045	D-002	DAF	LEFLC9	24	6,632	184,930	4,864	147,806	
F1115	0.1115	B-104	DAF	LEFLC4	25	4,915	189,845	4,245	152,051	
H00520	0.00520	J-	DAF	LEFLC	05	4,882	194,727	4,697	156,748	
G00540	0.00540	D-002	DAF	LEFLC4	24	4,735	199,462	4,696	160,838	
B00526	0.00526	J	DAF	LEFLC	05	4,727	206,189	4,548	165,386	
H00424	0.00424	B-004	DAF	LEFLC9	05	4,702	208,891	4,333	169,719	
F00400	0.00400	J	DAF	LEFLC	24	4,574	213,465	3,961	173,686	
F00450	0.00450	J-002	DAF	LEFLC	24	4,594	217,659	3,545	177,225	
F1112	0.1112	J	DAF	LEFLC	25	3,900	221,459	3,471	180,696	
G00520	0.00520	J	DAF	LEFLC9	05	3,693	225,152	3,544	184,246	
F00400	0.00400	D-002	DAF	LEFLC4	24	3,656	228,818	3,166	187,416	
K01358	0.01358	F-002	DAF	LEFLC	19	3,600	232,425	3,210	190,616	
F1111	0.1111	B-103	DAF	LEFLC	19	3,569	235,904	3,092	193,698	
H1115	0.1115	B-103	DAF	LEFLC	25	3,553	240,547	3,077	196,775	
F00445	0.00445	B-107	DAF	LEFLC	24	3,329	242,876	2,442	199,657	
I00524	0.00524	J	DAF	LEFLC9	05	3,327	247,205	3,200	202,947	
B00520	0.00520	F-002	DAF	LEFLC	05	3,227	249,430	3,165	206,052	
G00540	0.00540	J	DAF	LEFLC	24	3,073	252,503	2,661	208,713	
H00520	0.00520	J	DAF	ANG	29	2,980	255,483	2,980	211,693	
F00450	0.00450	F-002	DAF	SYC	19	2,961	258,444	1,233	212,926	
F1110	0.1110	E	DAF	LEFLC	25	2,940	261,384	2,539	215,465	
F1109	0.1109	J	DAF	LEFLC	43	2,846	264,230	2,191	217,656	
W01450	0.01450	B-102	DAF	LEFLC	19	2,748	267,018	2,312	219,968	
F1104	0.1104	B-104	DAF	LEFLC	31	2,720	269,747	2,232	222,200	
C1105	0.1105	B-104	DAF	LEFLC	20	2,693	272,436	2,187	224,523	
S00620	0.00620	F-104	DAF	LEFLC	29	2,618	275,045	2,198	226,721	
F1116	0.1116	F-104	DAF	LEFLC	31	2,494	277,539	2,096	228,817	
F00410	0.00410	J	DAF	LEFLC	24	2,427	279,966	2,011	230,918	
K01358	0.01358	B-002	DAF	LEFLC	19	2,422	282,398	2,097	233,015	
T01450	0.01450	F-104	DAF	LEFLC	50	2,370	284,758	1,711	234,726	
F1105	0.1105	J	DAF	LEFLC	05	2,367	287,125	2,187	236,907	
H00520	0.00520	F-102	DAF	LEFLC	25	2,363	289,488	2,103	239,010	
F1112	0.1112	F-104	DAF	LEFLC	25	2,324	291,812	2,013	241,023	
F00400	0.00400	K	DAF	LEFLC	24	2,315	294,127	2,005	243,088	
F1104	0.1104	J	DAF	LEFLC	44	2,250	296,586	1,739	244,787	
F1109	0.1109	J	DAF	LEFLC	24	2,217	298,263	1,919	246,686	
S1105	0.1105	J	DAF	LEFLC	25	2,153	300,756	1,865	248,521	
F1116	0.1116	J	DAF	LEFLC	29	2,055	302,811	1,681	250,242	

MONTH	DESIGN SERIES	COUNTRY	PEACEKEEPING GROUP CAT	CUSTOMER AND PLAN BREAKDOWN STRUCTURE	LEVEL OF PRIORITY	REQUIREMENT UNLAP\$(\$000)	CUMULATIVE REQUOT UNLAP\$(\$000)	ALLOCATED DOLLARS (\$000)	CUMULATIVE ALLOCATED DOLLARS (\$000) DOLLARS (\$000)	PAGE
										AIC OC
NOV	F904F	DAF	J	1WFC	24	1,996	304,807	1,728	251,960	
	REF04F	DAF	K	1WFC	24	1,959	306,766	1,696	253,656	
	F111F	DAF	J	1WFC	25	1,877	308,443	1,670	255,326	
	0052H	DAF	J	1FGAC	05	1,876	310,519	1,605	257,131	
	F111F	DAF	J	1WFC	25	1,847	312,366	1,509	258,730	
	F100H	DAF	J	1WFC	43	1,844	314,219	1,459	260,189	
	F141A	DAF	J	1JFC	20	1,825	316,035	1,581	261,770	
	F111F	DAF	J	1WFC	14	1,815	317,850	1,572	263,342	
	4007F	DAF	J	1WFC	29	1,814	319,664	387	263,729	
	WC135A	DAFM	A	1FLCA	10	1,803	321,467	1,496	265,225	
	FC135A	DAF	J	1FLC	10	1,792	323,259	1,552	266,777	
	FC135C	DAF	J	1FLC	10	1,782	325,141	1,543	268,320	
	F141A	DAF	J	1WFC	20	1,737	326,778	1,504	269,824	
	0052H	DAF	F	1FLCA	05	1,725	328,503	1,655	271,479	
	F111F	DAF	J	1WFC	25	1,710	330,213	1,481	272,960	
	0052G	DAF	J	1FGAC	05	1,692	331,905	1,628	274,588	
	F141A	DAF	J	1JFC	20	1,690	333,995	1,463	276,051	
	F004D	DAF	J	1JFC	24	1,676	335,265	1,446	277,497	
	F141A	DAF	J	1JFC	20	1,669	336,944	1,441	278,936	
	WC135A	DAF	A	1FLCA	10	1,660	338,534	1,410	280,348	
	0052H	DAF	J	1WFC	05	1,595	340,129	1,535	281,883	
	F004E	DAF	F	1FGC	24	1,570	341,699	1,356	283,239	
	F004F	DAF	J	1WFC	24	1,566	343,765	1,356	284,595	
	F141A	DAF	J	1JFC	20	1,518	344,783	1,314	285,909	
	F004G	DAF	J	1WFC	24	1,491	346,264	1,282	286,191	
	F101H	DAF	J	1FLCA	44	1,464	347,728	1,158	288,349	
	A017D	DAF	J	1WFC	29	1,449	349,176	1,184	289,533	
	F004H	DAF	J	1FLC	10	1,435	350,611	1,243	290,776	
	WC135C	DAF	A	SYS	05	352,011	352	583	291,359	
	F145A	DAF	J	1FLCA	10	1,392	353,403	1,227	292,586	
	F135H	DAF	A	1FLCA	10	1,351	354,754	1,121	293,707	
	F141A	DAF	J	1FLC	19	1,335	356,089	1,156	294,863	
	0052H	DAF	E	1FGP	05	1,322	357,411	1,269	296,132	
	WC135A	DAF	A	1FLCA	10	1,313	358,774	1,157	297,280	
	F141A	DAF	J	1JFC	20	1,253	359,777	1,085	298,374	
	F130E	DAF	J	1FGC	24	1,252	361,229	1,024	299,398	
	0104K	DAF	N	1AFB	60	1,224	362,557	993	300,391	
	F004F	DAF	J	1FLC	19	1,214	363,671	1,081	301,472	
	F004G	DAF	J	1FGP	24	1,190	364,860	1,029	302,501	
	F105G	DAF	J	1FLC	34	1,184	366,044	968	303,469	
	F004H	DAF	J	1FLC	05	1,168	367,212	1,124	304,593	
	WC135A	DAF	J	1FLC	10	1,161	368,473	1,033	305,625	
	0004F	DAF	J	1FLC	24	1,147	369,520	993	306,619	
	F101H	DAF	F	1FLC	43	1,142	370,664	878	307,497	
	0052H	DAF	K	1FGC	24	1,142	371,806	980	308,496	
	WC135C	DAF	J	1FLC	26	1,128	372,934	977	309,463	
	F141A	DAF	J	1FLC	25	1,128	374,062	923	310,386	
	F130F	DAF	J	1FGC	05	1,116	375,177	1,070	311,456	

APFM REQUIREMENT-ALLOCATION SUMMARY BY HIGH BURNER WEAPON SYSTEM  
FISCAL YEAR 76  
ALC VR

DEFINING FEATURES	PSEUDON	REPAIR	CUSTOMER	WORKLOAD BREAKDOWN	LEVEL OF REQUIREMENT	CUMULATIVE PRIORITY	ALLOCATED DOLLARS (\$000)	CUMULATIVE ALLOCATED DOLLARS (\$000)
KC115A	JAXX	J	DAF	1FLC6	1.0	1.174	120,731	1,017
AC110A	JHMK	J	DAF	1LGND	28	2,145	121,876	936
4444	JFHG	6	DAF	4YZ_X	60	5,144	123,020	957
F106A	JHWN	J	DAF	1KXAD	31	1,125	124,145	970
AC110H	JHMK	J	DAF	1LGFJ	29	1,123	125,268	919
C130E	JTJ1	J	DAF	1LGNC	28	1,071	126,339	900
F106A	JHWD	J	DAF	1KXAD	31	1,036	127,375	871
C130F	JFPO	J	DAF	1LGNC	28	1,035	128,410	847
A06-24	JHWA	J	DAF	1FGHD	65	5,014	129,444	1,023
F0111	JHWD	J	DAF	1HQA0	17	1,024	130,468	687
R06-24	JTFD	J	DAF	1FGHD	65	1,024	131,492	946
F111F	JHWD	J	DAF	1HJFD	25	1,015	132,507	879
4444	JVCH	G	DAF	4Y7_X	60	5,010	133,517	846
CS008F	JSQD	J	DAF	1THC_G	42	978	134,495	773
C141A	JHWD	J	DAF	1JHKA	20	952	135,447	825
4444	JAXX	J	DAF	1HAD	18	940	136,587	814
C150A	JAFC	A	DAF	1LGSA	28	940	137,527	736
F111F	JVCH	J	ANR	1LGHM	28	930	138,257	930
J060	JHWD	J	DAF	1HJFD	25	920	139,177	797
C111A	JHWD	R	DAF	1JHQA	20	914	140,091	914
4444	JFAC	G	DAF	4Y7_X	60	904	141,995	756
F064F	JSGA	J	DAF	1HJFE	24	904	141,999	805
J064F	JHWD	J	DAF	1HJFD	24	897	142,796	776
F111C	JHWD	A	DAF	1LGHM	28	893	143,680	699
CS008	JVCH	M	DAF	1SHSA	60	893	144,582	722
J060	JHWD	J	DAF	1AED	25	889	145,471	791
C111F	JHWD	J	DAF	1HJFD	25	880	146,351	762
J111F	JTEC	J	DAF	1HJFD	26	871	147,222	732
F064F	JHWD	K	DAF	1HJFD	60	861	148,083	622
C110A	JFPO	J	DAF	1EGAC	28	859	149,942	762
F111F	JVCH	J	DAF	1HJFD	25	854	149,796	766
F111E	JHWD	J	DAF	1HJFD	25	846	150,642	732
F111E	JHWD	A	DAF	1LGHM	24	843	151,485	843
F110H	JHWD	J	DAF	1AED	24	826	152,511	735
F064F	JHWD	A	DAF	1LGHM	28	826	153,337	139
F064F	JHWD	J	DAF	1EGAC	28	816	153,955	708
F087H	JXAT	J	DAF	1SFED	52	803	154,758	579
C110E	JFPO	J	DAF	1LGHM	24	798	155,556	670
F110H	JHWD	A	CG	1LGHM	28	796	156,352	135
F064F	JHWD	J	DAF	1EGAC	24	788	157,511	779
C130E	JFPO	J	DAF	1EGAC	05	788	157,511	134,597
F064F	JHWD	J	DAF	1EGAC	05	780	157,928	750
F101H	JFPO	J	DAF	1LGHM	44	768	158,688	591
C141A	JFPO	J	DAF	1EGAC	20	760	159,448	658
J064F	JHWD	J	DAF	1AED	24	755	160,203	674
C124E	JFPO	J	DAF	1LGHM	32	746	160,949	746
F064F	JHWD	J	DAF	1LGHM	05	746	161,689	732
F064F	JFPO	J	DAF	1LGHM	24	727	162,414	647
F064F	JFPO	J	DAF	1LGHM	24	727	163,143	647
								140,022

ITEM REQUIREMENT-ALLOCATION SUMMARY BY HIGH RURER RAPON SYSTEM  
FISCAL YEAR 76

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MODEL DESIGN SERIES	PRESENT CONE	REPAIR GROUP CAT	CUSTOMER WORKLOAD BREAK- DOWN STRUCTURE	LEVEL OF PRIORITY	REQUIRMENT DOLLARS (\$000)	CUMULATIVE REQU DOLLARS (\$000)	ALLOCATED ALLO DOLLARS (\$000) DOLLARS (\$000)	CUMULATIVE ALLO DOLLARS (\$000) DOLLARS (\$000)	
DF0040	1547	J	DAF	1547	24	727	163,870	647	140,669
F004F	1547	J	DAF	1547	24	727	164,597	647	141,316
4144	1547	J	DAF	4Y2 X	60	724	165,322	538	141,854
F0135A	1547	J	DAF	1547	19	717	166,339	621	142,475
C0658	1547	J	DAF	1547	19	692	166,731	599	143,074
C139F	1547	J	DAF	1547	24	684	167,415	599	143,631
F111A	1547	J	DAF	1547	25	684	168,099	609	144,242
H0526	1547	J	DAF	1547	05	682	168,781	674	144,916
F111A	1547	J	DAF	1547	25	677	169,458	586	145,502
F141A	1547	J	DAF	1547	20	667	170,125	593	146,095
F150A	1547	J	DAF	1547	28	663	170,788	598	146,653
FC135C	1547	J	DAF	1547	19	661	171,449	572	147,225
F111D	1547	J	DAF	1547	25	652	172,101	580	147,805
F111D	1547	J	DAF	1547	25	646	172,747	559	148,364
F111I	1547	J	DAF	1547	17	625	173,372	557	148,921
F141A	1547	G	DAF	4Y2 X	66	624	173,996	522	149,443
4444	1547	J	DAF	4Y2 X	66	624	174,616	460	149,943
6666	1547	J	DAF	1547	17	619	175,235	516	150,410
F011A	1547	J	DAF	1547	05	617	175,852	594	151,033
C0520	1547	J	DAF	1547	28	613	176,465	515	151,548
F119F	1547	J	DAF	6Y6 4	60	611	177,076	519	152,001
6666	1547	J	DAF	1547	29	609	177,685	609	152,610
C150F	1547	A	DAF	1547	28	603	178,288	603	153,213
AF130A	1547	A	ANC	1547	28	596	178,894	595	153,894
C139A	1547	A	DAF	1547	54	590	179,473	478	154,266
T0592	1547	A	DAF	1547	19	583	180,056	519	154,815
K0135A	1547	A	DAF	1547	49	582	180,638	420	155,225
T033A	1547	A	DAF	1547	24	579	181,217	501	155,726
F004F	1547	J	DAF	1547	05	576	181,794	554	156,280
6662G	1547	J	DAF	1547	28	565	182,354	565	156,845
C139A	1547	A	DAF	4Y2 X	60	562	182,920	471	157,514
4444	1547	G	DAF	1547	29	555	183,475	435	157,751
F130F	1547	A	DAF	1547	27	549	184,024	549	158,360
C140A	1547	J	DAF	1547	28	540	184,563	441	158,741
F130F	1547	J	DAF	1547	24	538	185,101	479	159,220
DF004C	1547	A	ADF	1547	24	535	185,636	535	159,755
C139A	1547	A	DAF	1547	26	529	186,165	415	160,110
6665A	1547	A	DAF	1547	33	524	186,689	428	160,998
F105P	1547	J	DAF	1547	24	508	187,197	440	161,318
F004F	1547	G	DAF	4Y2 X	60	506	187,705	506	161,544
4444	1547	G	DAF	4Y2 X	60	506	187,705		

APPENDIX F  
REPORT 3  
DPEM REQUIREMENT  
ALLOCATION SUMMARY BY WEAPON SYSTEM  
PRIORITY

OPEN REQUIREMENT-ALLOCATION SUMMARY BY WEAPON SYSTEM PRIORITY  
FISCAL YEAR 81

PAGE 1

MODEL SERIES    PSEUDO REPAIR CUSTOMER WORKLOAD BREAK-LEVEL OF REQUIREMENT CUMULATIVE RECENT ALLOCATED CUMULATIVE ALLOC  
DESIGN SERIES    CODE GROUP CAT CODE DOWNS STRUCTURE PRIORITY (DOLLARS (\$000)) DOLLARS (\$000) DOLLARS (\$000)

ADM-34A	JNVS	D	DAF	242AC	01	5,539	5,539	5,539	5,214
6002A	DUVV	A	DAF	119AA	02	0	0	0	5,214
6003A	DVVO	B	DAF	119AC	02	0	0	0	5,214
6003A	DVOZ	B	DAF	119AA	02	0	0	0	5,214
6003A	DXAZ	K	DAF	119AC	02	0	0	0	5,214
6003A	DXAO	K	DAF	119AC	02	0	0	0	5,214
6003A	DYMC	L	DAF	119AC	02	0	0	0	5,214
6003A	DZLZ	L	DAF	119AC	02	0	0	0	5,214
6003A	DVYV	S	DAF	119AA	02	0	0	0	5,214
6003A	DYVY	S	DAF	119AC	02	0	0	0	5,214
6003A	DJEN	P	DAF	183AC	03	226	226	226	5,441
6003A	DDZS	P	DAF	183AC	03	1,112	1,112	1,112	6,553
6003A	DUVV	S	DAF	183AC	03	6,878	6,878	6,878	6,558
6003A	DVVA	S	DAF	183AC	03	6,875	6,875	6,875	6,561
6003A	DVVA	S	DAF	183AC	03	6,866	6,866	6,866	6,585
6003A	DVVA	S	DAF	183CA	03	24	7,910	7,910	120
6003A	DVVA	S	DAF	183CA	03	120	7,910	7,910	120
6003A	DCUJ	L	DAF	183AC	03	72	72	72	6,777
6003A	DUCN	L	DAF	183AC	03	29	7,131	7,131	29
6003A	DUCN	L	DAF	183AC	03	171	7,342	7,342	171
6003A	DUGA	L	DAF	183AC	03	195	7,497	7,497	195
6003A	DUGA	L	DAF	183AC	03	5	7,503	7,503	5
6003A	DUGM	L	DAF	183AC	03	1	7,504	7,504	1
6003A	DAR	L	DAF	183AC	03	189	7,653	7,653	189
6003A	DGTA	L	DAF	183AC	03	0	7,653	7,653	0
6003A	DQXC	L	DAF	183AC	03	0	7,653	7,653	0
6003A	DRBP	L	DAF	183AC	03	61	7,754	7,754	61
6003A	DXBC	L	DAF	183AC	03	659	8,113	8,113	659
6003A	DRBC	L	DAF	183AC	03	657	8,970	8,970	657
6003A	DRBP	L	DAF	183AC	03	27	9,047	9,047	27
6003A	DRBP	L	DAF	183AC	03	9,047	9,047	9,047	8,772
6003A	D2YE	L	DAF	183AC	03	8	9,045	9,045	8
6003A	DEZ2	L	DAF	183AC	03	6	9,111	9,111	6
6003A	DGIA	L	DAF	183AC	03	16	9,300	9,300	16
6003A	DOOR	L	DAF	183AC	03	169	9,840	9,840	169
6003A	DODI	L	DAF	183AC	03	239	9,539	9,539	239
6003A	DODI	L	DAF	183AC	03	52	9,591	9,591	52
6003A	DG2H	L	DAF	183AC	03	2	9,698	9,698	2
6003A	DG2H	L	DAF	183AC	03	83	9,694	9,694	83
6003A	DGBN	L	DAF	183AC	03	152	9,694	9,694	152
6003A	DGDD	L	DAF	183AC	03	16	9,840	9,840	16
6003A	DGEZ	L	DAF	183AC	03	4	9,844	9,844	4
6003A	DGID	L	DAF	183AC	03	177	10,041	10,041	177
6003A	DGID	L	DAF	183AC	03	2	10,023	10,023	2
6003A	DGLA	L	DAF	183AC	03	589	10,611	10,611	589
6003A	DJBO	L	DAF	183AC	03	658	11,169	11,169	658
6003A	DJBN	L	DAF	183AC	03	15	11,184	11,184	15
6003A	DKTH	L	DAF	183AC	03	37	11,221	11,221	37
6003A	DKVB	L	DAF	183AC	03	164	11,365	11,365	164
6003A	DKVB	L	DAF	183AC	03	45	11,425	11,425	45
6003A	DJH2	L	DAF	183AC	03	42	14,274	14,274	42
6003A	DFDD	L	DAF	183AC	03	27,745	27,745	27,745	27,745
6003A	DJHQ	L	DAF	183AC	03	17,365	17,365	17,365	17,365
6003A	DJHN	L	DAF	183AC	03	45,504	45,504	45,504	45,504

DPW REQUIREMENT-ALLOCATION SUMMARY BY WEAPON SYSTEM PRIORITY  
FISCAL YEAR 61

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MODEL	PSEUDO	REPAIR	CUSTOMER	WORKLOAD	BREAK-	LEVEL OF	REQUIREMENT	CUMULATIVE REOMC	ALLOCATED	CUMULATIVE ALLOC.
DESIGN SERIES	CORE	GROUP	CAT.	CODE	DOWN	STRUCTURE	PRIORITY	DOLLARS (\$000)	DOLLARS (\$000)	DOLLARS (\$000)
8052G	DFSC	2	DAF	1EFGC	0.3	294	46,123	294	45,798	
8052H	DIHQ	2	DAF	1E5IC	0.3	4,217	50,340	4,217	50,019	
8052D	DIYG	2	DAF	1E7HC	0.3	4	50,344	4	50,019	
8052H	DKIN	2	DAF	1E84P	0.3	190	50,534	190	50,209	
8052S	DHZS	2	DAF	1E94G	0.3	0.17	51,451	0.17	51,216	
8052H	DHZV	2	DAF	1E9DC	0.3	194	51,451	194	51,220	
8052H	DJEM	2	DAF	1E84C	0.3	1,526	53,171	1,526	52,846	
8052G	DRAY	2	DAF	1E84S	0.3	3,997	57,168	2,997	56,643	
8052G	DPAS	2	DAF	1E73G	0.3	1,594	58,762	1,594	58,437	
8052G	DODP	2	DAF	1E73A	0.3	1,942	60,704	1,942	60,379	
8052H	DUBS	2	DAF	1E8HC	0.3	1,607	62,311	1,607	61,932	
8052D	DIYG	2	DAF	1E7DC	0.3	714	63,925	714	62,770	
8052H	DART	2	DAF	1E84C	0.3	4,647	67,672	4,647	67,347	
8052H	DAWB	2	DAF	1E7D5	0.3	2,048	69,720	2,048	69,395	
8052G	DCBS	2	DAF	1E71G	0.3	162	69,852	162	69,557	
8052G	DZTB	2	DAF	1E53C	0.3	150	59,942	150	59,617	
8052S	DIQA	2	DAF	1E73S	0.3	18	69,960	18	69,632	
8052S	DSV	2	DAF	1E73B	0.3	349	70,309	349	69,984	
8052S	DZ2E	2	DAF	1E73B	0.3	172	70,481	172	70,156	
8052H	DZGS	2	DAF	1E7HC	0.3	6	70,481	6	70,152	
8052H	DZIS	2	DAF	1E71G	0.3	58	70,487	58	70,220	
8052H	DZIS	2	DAF	1E7HC	0.3	20	70,565	20	70,440	
8052H	DZIS	2	DAF	1E73C	0.3	230	70,735	70,470	70,544	
8052H	DZYY	2	DAF	1E7HC	0.3	74	70,859	74	70,547	
8052H	DILK	2	DAF	1E7HC	0.3	3	70,872	3	70,547	
8052H	DUGG	2	DAF	1E7GA	0.3	3	70,875	3	70,549	
8052H	DUNA	2	DAF	1E7DC	0.3	3	70,878	3	70,553	
8052H	DUNA	2	DAF	1E7DC	0.3	14	70,892	14	70,557	
8052H	DULP	2	DAF	1E75S	0.3	67	70,959	67	70,644	
8052S	DUTS	2	DAF	1E7DC	0.3	17	70,976	17	70,651	
8052D	DUTS	2	DAF	1E7DC	0.3	52	71,048	52	70,703	
8052H	DUIN	2	DAF	1E74G	0.3	25	71,053	25	70,728	
8052H	DUNY	2	DAF	1E7HC	0.3	2	71,055	2	70,730	
8052H	DUMA	2	DAF	1E7DC	0.3	14	70,892	14	70,557	
8052H	DUMK	2	DAF	1E75C	0.3	25	71,060	25	70,735	
8052H	DUDS	2	DAF	1E75C	0.3	30	71,110	30	70,785	
8052D	DUPG	2	DAF	1E74F	0.3	4	71,110	4	70,789	
8052H	DUIN	2	DAF	1E74H	0.3	7	71,141	7	70,796	
8052H	DUNH	2	DAF	1E75S	0.3	13	71,134	13	70,809	
8052H	DH2U	2	DAF	1E7DC	0.3	235	71,369	235	71,046	
8052D	DRBA	2	DAF	1E7DC	0.3	504	71,875	504	71,552	
8052G	DTH	2	DAF	1E7HC	0.3	326	72,201	326	71,616	
8052H	DTHO	2	DAF	1E7DC	0.3	61	72,252	61	71,937	
8052D	DTHI	2	DAF	1E7DC	0.3	959	73,221	959	72,608	
8052G	DTHM	2	DAF	1E7DC	0.3	107	73,418	107	73,093	
8052G	DHDD	2	DAF	1E74A	0.3	174	74,777	174	74,552	
8052D	DHAL	2	DAF	1E75A	0.3	1,759	76,439	1,759	75,814	
8052D	DIXY	2	DAF	1E75A	0.3	1,352	76,801	1,352	76,431	
8052H	DCKU	2	DAF	1E74A	0.3	1,911	87,725	1,911	87,725	
8052G	DCXG	2	DAF	1E73A	0.2	2,115	109,049	2,115	109,049	

## DPEM REQUIREMENT-ALLOCATION SUMMARY BY WEAPON SYSTEM PRIORITY

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MODEL SERIES PSEUDO REPEAT CUSTOMER WORKLOAD BREAKDOWN LEVEL OF REQUIREMENT CUMULATIVE BELOW ALLLOCATED DOLLARS (\$000) CUMULATIVE ALLOCATED DOLLARS (\$000)

DESIGN	SERIES	CODE	GROUP	CAT	CODE	DOWN STRUCTURE	PRIORITY	DOLLARS (\$000)	DOLLARS (\$000)
A0070	JXRY	J	DAP	4MAD	60		8	1453.365	7
444+	JWDI	J	DAP	4YZX	50		1453.350	12	1350.529
444+	JACZ	J	DAP	4YZX	60		1453.458	67	1350.541
444+	JNIF	J	DAP	4YZX	60		1453.448	25	1350.614
444+	JMIG	J	DAP	4YZX	60		1453.441	2	1350.636
444+	JPIY	J	DAP	5Y3B	60		1453.434	2	1350.638
5555	JZOG	J	DAP	5Y3B	60		1453.435	1	1350.639
5555	JMIP	J	DAP	4YZX	60		1453.501	5	1350.642
5555	JDXL	J	DAP	6Y3B	60		1453.513	10	1350.655
5555	JFIS	J	DAP	6Y3B	60		1453.516	70	1350.675
5555	JMIE	J	DAP	6Y3A	60		1454.019	359	1351.084
5555	JGYK	J	DAP	6Y3B	60		1454.020	1	1351.085
5555	JTHN	J	DAP	1GPBE	60		1454.041	1	1351.086
A037A	JHMZ	J	DAP	1GPBD	60		1454.021	0	1351.086
A037A	JWJG	J	DAP	6ZGB	60		1454.032	9	1351.095
5555	JPS5	J	DAP	4GBG	60		1454.032	0	1351.095
5555	JW4X	J	DAP	6YSG	60		1454.057	22	1351.095
F085E	JXPV	J	DAP	1K352	60		1454.057	0	1351.117
V2437B	JNBR	J	DAP	1KCS0	60		1454.057	0	1351.117
444+	J1TP	J	DAP	4YZX	60		1454.057	443	1351.560
5555	J2PS	J	DAP	18XAC	60		1454.057	2	1351.560
5555	JHTU	J	DAP	4YZX	60		1454.057	215	1351.775
5555	JXPZ	J	DAP	5Y3B	60		1454.045	12	1351.787
5555	JAPG	J	DAP	6Y3A	60		1454.034	16	1351.803
5555	JAPZ	J	DAP	6Y3B	60		1454.035	341	1352.144
5555	JLH2	J	DAP	6Y3A	60		1454.055	562	1352.706
5555	JHKS	J	DAP	5Y3B	60		1454.026	1	1352.707
5555	JXPR	J	DAP	4YZX	60		1454.031	6	1352.743
5555	JZKB	J	DAP	6YSG	60		1454.033	224	1352.937
2X	JEPZ	J	DAP	5YX4	60		1454.037	2,575	1355.112
COMDN	JXKV	J	DAP	199SA	60		1454.035	10	1355.622
COMDN	JXKU	J	DAP	199SD	60		1454.033	23	1355.645
COMDN	JCDW	J	DAP	199SC	60		1454.009	21	1355.666
COMDN	JJXU	J	DAP	6Y3B	60		1454.021	10	1355.676
5555	JZDN	J	DAP	5Y3C	60		1454.037	224	1355.685
5555	JFZJ	J	DAP	5YX4	60		1454.032	9	1355.685
5555	JBTZ	J	DAP	18XAC	60		1454.032	0	1355.685
5555	JCPB	J	DAP	18XAD	60		1454.032	0	1355.685
5555	JCDX	J	DAP	18XAO	60		1454.032	0	1355.685
5555	JDDN	J	DAP	18YAD	60		1454.032	0	1355.685
5555	JCTP	J	DAP	1BYAD	60		1454.032	0	1355.685
5555	JHXT	J	DAP	18XAC	60		1454.032	0	1355.685
5555	JINV	J	DAP	18XAC	60		1454.032	0	1355.685
5555	JUCH	J	DAP	18XAD	60		1454.032	0	1355.685
5555	JXOU	J	DAP	18XAC	60		1454.032	0	1355.685
5555	JHOT	J	DAP	18XAC	60		1454.032	0	1355.685
5555	JHJK	J	DAP	18XAO	60		1454.032	9	1355.685
5555	JCPA	J	DAP	12530	60		1454.035	2	1355.687
AUN34	JJAU	J	DAP	1499E	60		1454.032	14	1355.701



APPENDIX G  
REPORT 4  
DPEM REQUIREMENT  
ALLOCATION SUMMARY BY MANAGER

DPTM REQUISITION-ALLOCATION SUMMARY BY MANAGER									
FISCAL YEAR 76									
DESIGN SERIES	PSNDO	PSNTR	CUSTOMER WORKLOAD BREAKDOWN	LEVEL OF REQUIREMENT	COMMUNICATED	ALLOCATED	CUMULATIVE ALLOCATED	MANAGER	PAGE
	CODE	GROUP	CAT	CODE	DOWN STRUCTURE	PRIORITY	DOLLARS (\$000)	DOLLARS (\$000)	
OTHER	RPAE	N	DAZ	1288C	60	6.9	6.9	56	11
OTHER	RPAAC	N	DN	1288C	60	2.3	7.2	61	21
OTHER	RPAK	N	SYT	1288C	60	3	7.5	61	21
OTHER	RSEK	S	DN	1288C	60	94	169	20	21
OTHER	RSEF	S	DN	1288C	60	135	67.4	63	174
OTHER	RSEB	S	DN	1288C	60	14	6.5	2	176
OTHER	RSED	S	DN	1288C	60	14	6.0	3	179
OTHER	RSER	S	DN	1288C	60	17	6.6	4	183

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**DD FORM REQUIREMENTS ALLOCATION SUMMARY BY MANAGER**  
**FISCAL YEAR 76**

DD FORM REQUIREMENTS ALLOCATION SUMMARY BY MANAGER FISCAL YEAR 76

MESSRS SEDGERS LTD

PAGES SIXTEEN

A2072	DATX	J	DAT	113BC	3B	0	0
A2072A	DEUR	J	DAT	138C	36	2	2
A2072A	DPAT	J	DAT	13PAC	46	2	2
A2072A	DFBI	J	DAT	13PBC	46	2	2
A2072A	D2US	J	DAT	13PBC	46	2	2
A2072A	D2RQ	J	DAT	13PBC	46	2	2
A2072A	DSVY	J	DAT	13PBC	46	2	2
A2072A	DTBY	J	DAT	13PBC	46	2	2
A2072A	DAYH	J	DAT	132BC	46	2	2
A2072A	D2UH	J	DAT	132BC	46	2	2
A2072A	DPAZ	J	DAT	132BC	46	2	2
A2072A	DLHA	J	DAT	13PBC	46	2	2
A2072A	DKHP	J	DAT	13PBC	46	2	2
A2072A	DKTH	J	DAT	13PBP	45	1	1
A2072A	NPBL	J	DAT	132BP	45	1	1
A2072A	DKUE	J	DAT	13PBP	45	1	1
A2072A	DPSH	J	DAT	13PBC	46	2	2
A2072A	DLBU	J	DAT	13PBC	46	2	2
A2072A	DKVN	J	DAT	13PBP	45	1	1
A2072A	FBYG	J	DAT	13PBP	45	1	1
A2072A	DFAY	J	DAT	13PBP	45	1	1
A2072A	DK7A	J	DAT	13PBC	46	2	2
A2072A	DPAV	J	DAT	13PBC	46	2	2
A2072A	DUVJ	J	DAT	13PBC	46	2	2
A2072A	DK2B	J	DAT	13PBP	45	1	1
A2072A	DBVZ	J	DAT	13PBP	45	1	1
A2072A	DRBT	J	DAT	13PBP	45	1	1
A2072A	DNME	J	DAT	13PBP	45	1	1
A2072A	DKUZ	J	DAT	13PBP	45	1	1
A2072A	DPKS	J	DAT	13PBP	45	1	1
A2072A	DQNJ	K	DAT	13PBP	45	1	1
A2072A	DQNT	K	DAT	13PBP	45	1	1
A2072A	DQZJ	J	DAT	13PBP	45	1	1
A2072A	DLGO	K	DAT	13PBP	45	1	1
A2072A	DODK	K	DAT	14ADA	23	2	2
A2072A	DEM	K	DAT	14ADA	23	2	2
A2072A	DLDL	A	DAT	14ADA	23	2	2
A2072A	DQPV	A	DAT	14ADA	23	2	2
A2072A	DUMA	A	DAT	14ADA	23	2	2
A2072A	DUMB	A	DAT	14ADA	23	2	2
A2072A	DODJ	A	DAT	14ADA	23	2	2
A2072A	DZS	S	SYS	14ADA	23	1	1
A2072A	DLIW	B	SYS	14ADA	23	1	1
A2072A	DOLG	B	AVC	14ADA	23	1	1
A2072A	DARY	B	DAT	14ADA	23	1	1
A2072A	DDMC	S	DAT	14ADA	23	1	1

DODA REQUIREMENT ALLOCATION SUMMARY BY MANAGER  
PAGE 3

DESTIN SPRTS	PSEUDO	REPAIR	CUSTOMER	WORKLOAD	LEVEL OF	REQUIREMENT	ALLOCATED	CUMULATIVE	ALLO
CODE	CAT	GROUP	CODE	DODS STRUCTURE	PRIORITY	DOLLARS (\$000)	DOLLARS (\$000)	DOLLARS (\$000)	CUMULATIVE DOLLARS (\$000)
A2010	DKNW	B	DAF	1MADA	29	21,652	11	41,364	11
A2010	DEWD	B	DAF	1MADG	29	21,623	72,837	50,024	21
A2010	DIRG	B	DAF	1MAG3	29	21,623	1,851	50,024	21
A2010	DOWN	B	DAF	1MAG5	29	26	79,460	50,024	21
A2010	DOWN	B	DAF	1MAEB	29	3	79,469	1	50,024
A2010	DOLY	B	DAF	1MADB	29	8	79,477	2	50,024
A2010	DOLY	B	DAF	1MADC	29	8	79,479	2	50,024
A2010	DSEZ	B	DAF	1MADS	29	163	79,652	133	50,024
A2010	DUMV	B	DAF	1MADB	29	31	79,653	25	50,024
A2010	DUMO	B	DAF	1MACH	29	795	80,448	642	50,024
A2010	DUGE	B	DAF	1MAD3	29	664	81,156	545	50,024
A2010	DVYL	B	DAF	1MADB	29	14	81,170	12	50,024
A2010	DVYL	B	DAF	1MADA	29	28	81,178	23	50,024
A2010	DVSU	J	DAF	1MADC	29	0	81,178	0	50,024
A2010	DFAZ	J	DAF	1MADC	29	26	81,214	17	50,024
A2010	DFBD	J	DAF	1MADG	29	0	81,214	0	50,024
A2010	DOYH	J	DAF	1MADG	29	2	81,216	2	50,024
A2010	DEAT	J	DAF	1MADG	29	144	81,356	125	50,024
A2010	DOJU	J	DAF	1MADG	29	0	81,356	0	50,024
A2010	DPBO	J	DAF	1MADG	29	577	81,745	435	50,024
A2010	DBVY	J	DAF	1MADG	29	49	81,794	42	50,024
A2010	DDTY	J	DAF	1MADG	29	57	82,051	47	50,024
A2010	DPBI	J	DAF	1MADG	29	4	82,055	3	50,024
A2010	DHYB	J	DAF	1MADG	29	445	82,500	374	50,024
A2010	DOJU	J	DAF	1MADG	29	2,615	82,515	2,194	50,024
A2010	DOQU	J	DAF	1MADG	29	0	82,515	0	50,024
A2010	DOQZ	J	DAF	1MADG	29	4	82,519	1	50,024
A2010	DOZO	J	DAF	1MADG	29	564	82,553	120	50,024
A2010	DOQE	J	DAF	1MADG	29	35	82,571	8	50,024
A2010	DOQB	J	DAF	1MADG	29	7	82,575	2	50,024
A2010	DOQE	J	DAF	1MADG	29	169	82,914	40	50,024
A2010	DOQS	J	DAF	1MADG	29	74	82,954	16	50,024
A2010	DOQU	J	DAF	1MADG	29	13	82,954	13	50,024
A2010	DOQX	J	DAF	1MADG	29	1,814	87,815	397	50,024
A2010	DPBC	J	DAF	1MADG	29	1	87,816	1	50,024
A2010	DLKC	J	DAF	1MADG	29	1	87,816	1	50,024
A2010	DKUP	J	DAF	1MADG	29	38	87,854	31	50,024
A2010	DPBH	J	DAF	1MADG	29	0	87,854	0	50,024
A2010	DPBL	J	DAF	1MADG	29	1	87,925	1	50,024
A2010	DOQZ	J	DAF	1MADG	29	17	87,972	13	50,024
A2010	DOQZ	J	DAF	1MADG	29	4	87,976	3	50,024
A2010	DQCT	J	DAF	1MADG	29	1	87,977	1	50,024
A2010	DOUJ	J	DAF	1MADG	29	16	87,983	13	50,024
A2010	DYIG	J	DAF	1MADG	29	0	87,983	0	50,024
A2010	DYVZ	J	DAF	1MADG	29	1	87,984	1	50,024
A2010	DOCH	J	DAF	1MADG	29	134	88,050	523	50,024
A2010	DOCO	J	DAF	1MADG	29	440	88,050	440	50,024
A2010	DOCN	J	DAF	1MADG	29	25	88,072	252	50,024
A2010	DOCP	J	DAF	1MADG	29	452	88,072	252	50,024
A2010	DEAS	J	DAF	1MADG	29	206	88,346	471	50,024

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DRDN REQUIREMENT ALLOCATION SUMMARY BY MANAGERS  
AIC CC

MODEL SERIES PSUDO REPATL CUSTOMER WORKLOAD BREAKDOWN OF REQUIREMENT CUMULATIVE B-LONG ALLOCATED CUMULATIVE ALLOCATED  
DESTIN. SERIES CODE GROUP CAT CODE DOWN STRUCTURE PRIORITY DOLLARS (\$000) DOLLARS (\$000) DOLLARS (\$000)

OTHER	DOZD	1	DAP	18643	60	63	570,856	67	478,743	67
OTHER	DOYZ	1	DAP	18644	60	114	570,960	93	475,850	93
OTHER	DOZJ	1	DAP	18645	60	14	571,684	3	475,684	3
OTHER	DOZL	1	ANG	18646	60	12	571,956	12	475,956	12
OTHER	DOZK	1	ANG	18647	60	98	571,954	98	475,954	98
OTHER	DKNV	1	ANG	18648	60	24	572,115	24	475,070	24
OTHER	DUZL	N	PAA	18649	60	18	571,153	3	475,080	3
OTHER	DUPK	N	PAA	18650	60	14	571,147	2	475,082	2
OTHER	DUPM	N	DAP	18651	60	963	572,110	779	475,461	779
OTHER	DOIA	N	DAP	18652	60	85	572,195	69	475,520	69
OTHER	DPMH	N	DAP	18653	60	10	572,205	9	475,035	9
OTHER	DOZU	N	DAP	18654	60	15	572,241	13	475,452	13
OTHER	DUZL	N	DAP	18655	60	174	573,449	363	475,615	363
OTHER	DUPH	N	DAP	18656	60	63	572,512	51	475,006	51
OTHER	DPMK	N	DAP	18657	60	20	573,532	15	475,012	15
OTHER	DZQ	N	DAP	18658	60	23	573,630	18	475,630	18
OTHER	DOZY	S	DAP	18659	60	924	573,716	745	475,775	745
OTHER	DUNA	S	DAP	18660	60	234	574,210	271	475,046	271
OTHER	DUS	S	DAP	18661	60	0	574,810	0	475,006	0
DV010A	DV011A	DAP	18740	23	1	574,911	1	475,047	1	
DV010A	DV012A	DAP	18741	23	17	574,848	15	475,664	15	
DV010A	DV013A	DAP	18742	23	2	574,850	2	475,664	2	
DV010A	DV014A	DAP	18743	23	1	574,851	1	475,045	1	
DV010A	DV015A	DAP	18744	23	0	574,851	0	475,045	0	
DV010A	DV016A	DAP	18745	23	0	574,851	0	475,045	0	
DV010A	DV017A	DAP	18746	23	1	574,852	1	475,046	1	
DV010A	DV018A	DAP	18747	23	1	574,852	1	475,046	1	
DV010A	DV019A	DAP	18748	23	1	574,853	1	475,047	1	
DV010A	DV020A	DAP	18749	23	3	574,856	3	475,070	3	
DV010A	DV021A	DAP	18750	23	3	574,856	3	475,075	3	
DV010A	DV022A	DAP	18751	23	5	574,846	5	475,020	5	
DV010A	DV023A	DAP	18752	23	0	574,846	0	475,020	0	
DV010A	DV024A	DAP	18753	23	4	574,850	4	475,084	4	
DV010A	DV025A	DAP	18754	23	5	574,855	5	475,049	5	
DV010A	DV026A	DAP	18755	23	0	574,855	0	475,049	0	
DV010A	DV027A	DAP	18756	23	73	574,948	63	475,154	63	
DV010A	DV028A	DAP	18757	23	0	574,950	0	475,154	0	
DV010A	DV029A	DAP	18758	23	2	574,950	2	475,154	2	
DV010A	DV030A	DAP	18759	23	0	574,950	0	475,154	0	
DV010A	DV031A	DAP	18760	23	0	574,950	0	475,154	0	
DV010A	DV032A	DAP	18761	23	0	574,950	0	475,154	0	
DV010A	DV033A	DAP	18762	23	0	574,950	0	475,154	0	
DV010A	DV034A	DAP	18763	23	0	574,950	0	475,154	0	
DV010A	DV035A	DAP	18764	23	0	574,950	0	475,154	0	
DV010A	DV036A	DAP	18765	23	0	574,950	0	475,154	0	
DV010A	DV037A	DAP	18766	23	0	574,950	0	475,154	0	
DV010A	DV038A	DAP	18767	23	0	574,950	0	475,154	0	
DV010A	DV039A	DAP	18768	23	0	574,950	0	475,154	0	
DV010A	DV040A	DAP	18769	23	0	574,950	0	475,154	0	
DV010A	DV041A	DAP	18770	23	0	574,950	0	475,154	0	
DV010A	DV042A	DAP	18771	23	0	574,950	0	475,154	0	
DV010A	DV043A	DAP	18772	23	0	574,950	0	475,154	0	
DV010A	DV044A	DAP	18773	23	0	574,950	0	475,154	0	
DV010A	DV045A	DAP	18774	23	0	574,950	0	475,154	0	
DV010A	DV046A	DAP	18775	23	0	574,950	0	475,154	0	
DV010A	DV047A	DAP	18776	23	0	574,950	0	475,154	0	
DV010A	DV048A	DAP	18777	23	0	574,950	0	475,154	0	
DV010A	DV049A	DAP	18778	23	0	574,950	0	475,154	0	
DV010A	DV050A	DAP	18779	23	0	574,950	0	475,154	0	
DV010A	DV051A	DAP	18780	23	0	574,950	0	475,154	0	
DV010A	DV052A	DAP	18781	23	0	574,950	0	475,154	0	
DV010A	DV053A	DAP	18782	23	0	574,950	0	475,154	0	
DV010A	DV054A	DAP	18783	23	0	574,950	0	475,154	0	
DV010A	DV055A	DAP	18784	23	0	574,950	0	475,154	0	
DV010A	DV056A	DAP	18785	23	0	574,950	0	475,154	0	
DV010A	DV057A	DAP	18786	23	0	574,950	0	475,154	0	
DV010A	DV058A	DAP	18787	23	0	574,950	0	475,154	0	
DV010A	DV059A	DAP	18788	23	0	574,950	0	475,154	0	
DV010A	DV060A	DAP	18789	23	0	574,950	0	475,154	0	
DV010A	DV061A	DAP	18790	23	0	574,950	0	475,154	0	
DV010A	DV062A	DAP	18791	23	0	574,950	0	475,154	0	
DV010A	DV063A	DAP	18792	23	0	574,950	0	475,154	0	
DV010A	DV064A	DAP	18793	23	0	574,950	0	475,154	0	
DV010A	DV065A	DAP	18794	23	0	574,950	0	475,154	0	
DV010A	DV066A	DAP	18795	23	0	574,950	0	475,154	0	
DV010A	DV067A	DAP	18796	23	0	574,950	0	475,154	0	
DV010A	DV068A	DAP	18797	23	0	574,950	0	475,154	0	
DV010A	DV069A	DAP	18798	23	0	574,950	0	475,154	0	
DV010A	DV070A	DAP	18799	23	0	574,950	0	475,154	0	
DV010A	DV071A	DAP	18800	23	0	574,950	0	475,154	0	
DV010A	DV072A	DAP	18801	23	0	574,950	0	475,154	0	
DV010A	DV073A	DAP	18802	23	0	574,950	0	475,154	0	
DV010A	DV074A	DAP	18803	23	0	574,950	0	475,154	0	
DV010A	DV075A	DAP	18804	23	0	574,950	0	475,154	0	
DV010A	DV076A	DAP	18805	23	0	574,950	0	475,154	0	
DV010A	DV077A	DAP	18806	23	0	574,950	0	475,154	0	
DV010A	DV078A	DAP	18807	23	0	574,950	0	475,154	0	
DV010A	DV079A	DAP	18808	23	0	574,950	0	475,154	0	
DV010A	DV080A	DAP	18809	23	0	574,950	0	475,154	0	
DV010A	DV081A	DAP	18810	23	0	574,950	0	475,154	0	
DV010A	DV082A	DAP	18811	23	0	574,950	0	475,154	0	
DV010A	DV083A	DAP	18812	23	0	574,950	0	475,154	0	
DV010A	DV084A	DAP	18813	23	0	574,950	0	475,154	0	
DV010A	DV085A	DAP	18814	23	0	574,950	0	475,154	0	
DV010A	DV086A	DAP	18815	23	0	574,950	0	475,154	0	
DV010A	DV087A	DAP	18816	23	0	574,950	0	475,154	0	
DV010A	DV088A	DAP	18817	23	0	574,950	0	475,154	0	
DV010A	DV089A	DAP	18818	23	0	574,950	0	475,154	0	
DV010A	DV090A	DAP	18819	23	0	574,950	0	475,154	0	
DV010A	DV091A	DAP	18820	23	0	574,950	0	475,154	0	
DV010A	DV092A	DAP	18821	23	0	574,950	0	475,154	0	
DV010A	DV093A	DAP	18822	23	0	574,950	0	475,154	0	
DV010A	DV094A	DAP	18823	23	0	574,950	0	475,154	0	
DV010A	DV095A	DAP	18824	23	0	574,950	0	475,154	0	
DV010A	DV096A	DAP	18825	23	0	574,950	0	475,154	0	
DV010A	DV097A	DAP	18826	23	0	574,950	0	475,154	0	
DV010A	DV098A	DAP	18827	23	0	574,950	0	475,154	0	
DV010A	DV099A	DAP	18828	23	0	574,950	0	475,154	0	
DV010A	DV100A	DAP	18829	23	0	574,950	0	475,154	0	
DV010A	DV101A	DAP	18830	23	0	574,950	0	475,154	0	
DV010A	DV102A	DAP	18831	23	0	574,950	0	475,154	0	
DV010A	DV103A	DAP	18832	23	0	574,950	0	475,154	0	
DV010A	DV104A	DAP	18833	23	0	574,950	0	475,154	0	
DV010A	DV105A	DAP	18834	23	0	574,950	0	475,154	0	
DV010A	DV106A	DAP	18835	23	0	574,950	0	475,154	0	
DV010A	DV107A	DAP	18836	23	0	574,950	0	475,154	0	
DV010A	DV108A	DAP	18837	23	0	574,950	0	475,154	0	
DV010A	DV109A	DAP	18838	23	0	574,950	0	475,154	0	
DV010A	DV110A	DAP	18839	23	0	574,950	0	475,154	0	
DV010A	DV111A	DAP	18840	23	0	574,950	0	475,154	0	
DV010A	DV112A	DAP	18841	23	0	574,950	0	475,154	0	
DV010A	DV113A	DAP	18842	23	0	574,950	0	47		

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DPM REQUIREMENT ALLOCATION SUMMARY BY MANAGER  
FISCAL YEAR 76

PAGE 44

MODEL NUMBER CUSTOMER WORKLOAD BREAKDOWN STRUCTURE CODES ALLOCATED CUMULATIVE ALLOCATED DOLLARS (\$000) DOLLARS (\$000)

DESIGN SERIES	CODE	GROUP	CAT	CODE	STRUCTURE	PIORITY	DOLLARS (\$000)	DOLLARS (\$000)
T023A	DBVU	J	DAF	1MFD	60	12	574,932	0
T023D	DBVX	J	DAF	1MFDG	60	5	574,949	9
T023D	DBVY	J	DAF	1MFDG	60	0	574,949	0
T023D	DBVZ	J	DAF	1MFDG	60	0	574,949	0
T023D	DKUE	J	DAF	1MFDG	60	0	574,949	0
T023D	DKUE	J	DAF	1MFDG	60	0	574,949	0
T023D	DKUE	J	DAF	1MFDG	60	0	574,949	0
T023D	DB25	J	DAF	1MFDG	60	0	574,949	0
T023D	DB25	J	DAF	1MFDG	60	14	574,953	1
T023D	DKTH	J	DAF	1MFDG	60	0	574,954	0
T023D	DKTH	J	DAF	1MFDG	60	0	574,954	0
T023A	DBR0	J	DAF	1MFDG	60	0	574,964	0
T023A	DBR1	J	DAF	1MFDG	60	0	574,964	0
T023A	DBR2	J	DAF	1MFDG	60	0	574,964	0
T023A	DKYH	J	DAF	1MFDG	60	0	574,964	0
T023D	DBUE	J	DAF	1MFDG	60	0	574,967	2
T023D	DKTH	J	DAF	1MFDG	60	0	574,967	0
T023A	DKTH	J	DAF	1MFDG	60	0	574,967	0
T023A	DBVZ	J	DAF	1MFDG	60	0	574,968	0
T023A	DBX3	J	DAF	1MFDG	60	0	574,968	0
T023A	DBX4	J	DAF	1MFDG	60	0	574,968	0
T023A	DBX5	J	DAF	1MFDG	60	0	574,968	0
T023A	DLTK	J	DAF	1MFDG	60	0	574,968	0
T023A	DOUS	J	DAF	1MFDG	60	0	574,968	0
T023D	DSBT	J	DAF	1MFDG	60	0	574,970	0
T023D	DHYV	J	DAF	1MFDG	60	0	574,970	0
T023A	DFBD	J	DAF	1MFDG	60	0	574,971	0
T023D	DBR0	J	DAF	1MFDG	60	0	574,971	0

APPENDIX H  
REPORT 5  
DPEM REQUIREMENT  
SUMMARY BY CUSTOMER, ORGANIC/CONTRACT,  
DRAW CODE, AND REPAIR GROUP CATEGORY

OPEN XRAYX/12/76

DOLLAR TOTAL BY CUSTOMER  
BY FISCAL YEARCONTROL NUMBER  
PAGE 1

REQUIREMENT	ORGANIC			CONTRACT			CUSTOMER AFR			TOTAL			TOT
	D	R	A	TOT	D	R	A	TOT	D	R	A	TOT	
A	2552	0	0	2552	5441	0	0	5441	7993	0	0	7993	0
B	389	0	0	389	0	0	0	0	389	0	0	389	0
TOT	2941	0	0	2941	5441	0	0	5441	8382	0	0	8382	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
D	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0	0
F	0	0	0	0	0	0	0	0	458	0	0	458	0
TOT	0	0	0	0	0	0	0	0	458	0	0	458	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
H	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0	0	0	0	0	0	0
J	0	0	0	0	0	0	0	0	0	0	0	0	0
K	0	0	0	0	0	0	0	0	0	0	0	0	0
L	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0	0	0	0	0	0	0
H	143	0	0	143	0	0	0	0	143	0	0	143	0
N	83	0	0	83	0	0	0	0	83	0	0	83	0
P	0	0	0	0	0	0	0	0	0	0	0	0	0
R	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT	226	0	0	226	0	0	0	0	226	0	0	226	0
GRN TOT	3157	0	0	3167	10626	458	0	11084	13793	458	0	14251	0
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<b>ALLOCATIONS</b>													
A	2552	0	0	2552	5441	0	0	5441	7993	0	0	7993	0
B	389	0	0	389	0	0	0	0	389	0	0	389	0
TOT	2941	0	0	2941	5441	0	0	5441	8382	0	0	8382	0
C	0	0	0	0	0	0	0	0	0	0	0	0	0
D	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0	0
F	0	0	0	0	0	0	0	0	457	0	0	457	0
TOT	0	0	0	0	0	0	0	0	457	0	0	457	0
G	0	0	0	0	0	0	0	0	0	0	0	0	0
H	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0	0	0	0	0	0	0
J	0	0	0	0	0	0	0	0	0	0	0	0	0
K	0	0	0	0	0	0	0	0	0	0	0	0	0
L	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0	0	0	0	0	0	0
H	143	0	0	143	0	0	0	0	143	0	0	143	0
N	83	0	0	83	0	0	0	0	83	0	0	83	0
P	0	0	0	0	0	0	0	0	0	0	0	0	0
R	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0
TOT	226	0	0	226	0	0	0	0	226	0	0	226	0
GRN TOT	3157	0	0	3167	10626	457	0	11084	13793	457	0	14251	0
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OPR X99XX  
DATE 11/12/76

DOLLAR TOTAL BY CUSTOMER  
FISCAL YEAR 77

CONTROL NUMBER  
PAGE 2

REQUIREMENT	ORGANIC				CONTRACT				TOTAL			
	D	R	A	TOT	R	A	TOT	D	R	A	TOT	
A	11894	0	0	11894	10742	0	0	10742	22636	0	0	22636
B	2679	0	0	2679	0	0	0	0	2679	0	0	2679
TOT	14573	0	0	14573	10742	0	0	10742	25315	0	0	25315
C	0	0	0	0	0	0	0	0	0	0	0	0
D	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0
F	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0	0	0	0	0	0
G	599	0	0	599	625	0	0	625	1224	0	0	1224
H	0	0	0	0	0	0	0	0	0	0	0	0
TOT	599	0	0	599	625	0	0	625	1224	0	0	1224
J	0	0	0	0	3388	0	0	3388	5388	0	0	5388
K	0	0	0	0	0	0	0	0	0	0	0	0
L	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	3388	0	0	3388	5388	0	0	5388
H	1143	0	0	1143	0	0	0	0	1143	0	0	1143
N	706	0	0	706	0	0	0	0	106	0	0	106
P	0	0	0	0	0	0	0	0	0	0	0	0
R	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0
TOT	1249	0	0	1249	0	0	0	0	1249	0	0	1249
GRN TOT	16421	0	0	16421	16755	8361	0	23116	31176	8361	0	39337
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ALLOCATIONS												
A	11894	0	0	11894	10742	0	0	10742	22636	0	0	22636
B	2679	0	0	2679	0	0	0	0	2679	0	0	2679
TOT	14573	0	0	14573	10742	0	0	10742	25315	0	0	25315
C	0	0	0	0	0	0	0	0	0	0	0	0
D	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0	0	0	0	0	0
F	0	0	0	0	0	0	0	0	0	0	0	0
K	0	0	0	0	0	0	0	0	0	0	0	0
L	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0	0	0	0	0	0
G	599	0	0	599	625	0	0	625	1224	0	0	1224
H	0	0	0	0	0	0	0	0	0	0	0	0
TOT	599	0	0	599	625	0	0	625	1224	0	0	1224
J	0	0	0	0	3388	0	0	3388	5388	0	0	5388
K	0	0	0	0	0	0	0	0	0	0	0	0
L	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	3388	0	0	3388	5388	0	0	5388
H	1143	0	0	1143	0	0	0	0	1143	0	0	1143
N	106	0	0	106	0	0	0	0	106	0	0	106
P	0	0	0	0	0	0	0	0	0	0	0	0
R	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0
TOT	1249	0	0	1249	0	0	0	0	1249	0	0	1249
GRN TOT	16421	0	0	16421	16755	8361	0	23116	31176	8361	0	39337

OPA XRSX1/12/76

DOLLAR TOTAL BY CUSTOMER  
FISCAL YEAR 77

CUSTOMER ORN  
CONTROL NUMBER 9  
PAGE 9

REQUIREMENT	ORGANIC			R.			A			TOT			D			R.			A			TOT			
	D	R	A	TOT	D	R	A	TOT	D	R	A	TOT	D	R	A	TOT	D	R	A	TOT	D	R	A	TOT	
A	947	0	0	947	2104	0	0	2104	3051	0	0	3051	0	0	0	0	449	0	0	0	449	0	0	0	
B	449	0	0	449	0	0	0	449	0	0	0	449	0	0	0	0	3500	0	0	0	3500	0	0	0	
TOT	1396	0	0	1396	2104	0	0	2104	3500	0	0	3500	0	0	0	0	109	0	0	0	109	0	0	0	
C	109	0	0	109	0	0	0	109	0	0	0	109	0	0	0	0	0	0	0	0	0	0	0	0	
D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TOT	109	0	0	109	0	0	0	109	0	0	0	109	0	0	0	0	0	0	0	0	0	0	0	0	
E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
H	2	0	0	2	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	
TOT	2	0	0	2	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	
K	1982	0	0	1982	214	0	0	214	4742	0	0	4742	0	0	0	0	4742	0	0	0	4742	0	0	0	
L	452	0	0	452	0	0	0	452	0	0	0	452	0	0	0	0	452	0	0	0	452	0	0	0	
TOT	2434	0	0	2434	4956	0	0	4956	7390	0	0	7390	0	0	0	0	7390	0	0	0	7390	0	0	0	
N	478	54	54	532	0	0	0	532	0	0	0	532	0	0	0	0	532	0	0	0	532	0	0	0	
X	984	7	0	981	0	0	0	981	0	0	0	981	0	0	0	0	981	0	0	0	981	0	0	0	
P	17433	0	0	17433	0	0	0	17433	0	0	0	17433	0	0	0	0	17433	0	0	0	17433	0	0	0	
R	2152	0	0	2152	0	0	0	2152	0	0	0	2152	0	0	0	0	2152	0	0	0	2152	0	0	0	
S	125	0	0	125	0	0	0	125	0	0	0	125	0	0	0	0	125	0	0	0	125	0	0	0	
TOT	21172	61	0	21233	0	0	0	21233	0	0	0	21233	0	0	0	0	21233	0	0	0	21233	0	0	0	
GRN TOT	251113	61	0	25174	7091	0	0	7091	321	0	0	7412	0	0	0	0	32204	0	0	0	32586	0	0	0	
<b>ALLOCATIONS</b>																									
A	-	947	0	0	947	2104	0	0	2104	3051	0	0	3051	0	0	0	0	449	0	0	0	449	0	0	0
B	449	0	0	449	0	0	0	449	0	0	0	449	0	0	0	0	3500	0	0	0	3500	0	0	0	
TOT	1396	0	0	1396	2104	0	0	2104	3500	0	0	3500	0	0	0	0	109	0	0	0	109	0	0	0	
C	109	0	0	109	0	0	0	109	0	0	0	109	0	0	0	0	0	0	0	0	0	0	0	0	
D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOT	109	0	0	109	0	0	0	109	0	0	0	109	0	0	0	0	108	0	0	0	108	0	0	0	
E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
H	2	0	0	2	0	0	0	2	0	0	0	2	0	0	0	0	2	0	0	0	2	0	0	0	
TOT	2	0	0	2	0	0	0	2	0	0	0	2	0	0	0	0	2	0	0	0	2	0	0	0	
K	1982	0	0	1982	214	0	0	214	4742	0	0	4742	0	0	0	0	4742	0	0	0	4742	0	0	0	
L	451	0	0	(451)-1	0	0	0	0	0	0	0	0	0	0	0	0	0	451	0	0	0	451	0	0	0
TOT	2433	0	0	2433	4956	0	0	4956	0	0	0	4956	0	0	0	0	4956	0	0	0	4956	0	0	0	
M	478	54	0	532	0	0	0	532	0	0	0	532	0	0	0	0	532	0	0	0	532	0	0	0	
N	984	7	0	991	0	0	0	991	0	0	0	991	0	0	0	0	991	0	0	0	991	0	0	0	
P	17433	0	0	17433	0	0	0	17433	0	0	0	17433	0	0	0	0	17433	0	0	0	17433	0	0	0	
R	2152	0	0	2152	0	0	0	2152	0	0	0	2152	0	0	0	0	2152	0	0	0	2152	0	0	0	
S	125	0	0	125	0	0	0	125	0	0	0	125	0	0	0	0	125	0	0	0	125	0	0	0	
TOT	21172	61	0	21233	0	0	0	21233	0	0	0	21233	0	0	0	0	21233	0	0	0	21233	0	0	0	
GRN TOT	251111	61	0	25172	7091	0	0	7091	319	0	0	7412	0	0	0	0	32202	0	0	0	32586	0	0	0	

OPN XXXXX  
DATE 11/12/76

DOLLAR TOTAL BY CUSTOMER  
FISCAL YEAR 77

CUSTOMER GPN  
CONTROL NUMBER 10  
PAGE 10

REQUIREMENT	ORGANIC			CONTRACT			TOTAL		
	D	R.	A	TOT	D	R.	A	TOT	D
A 68093	0	172472	280565	57672	0	61788	119460	128765	0
B 26874	0	11938	28809	57672	0	975	26871	0	234260
TOT 94964	0	18441	279374	57672	0	62763	120435	12913	360025
C 109	0	757	866	0	0	5133	5133	0	39784
D 1151	0	3077	4238	0	0	0	0	0	39809
TOT 1270	0	3834	5104	57672	0	5133	5133	0	599
E 173	0	10370	10543	5386	0	61340	555	9281	4238
F 36	0	7168	7204	0	0	0	0	0	10237
TOT 209	0	107538	107747	5386	9281	45673	61340	555	0
G 2695	0	17400	20095	1379	0	28209	29588	4074	0
H 5	0	2022	2030	0	0	0	0	0	2030
TOT 2703	0	19422	22125	1379	0	28209	29588	4074	0
J 2587	0	56438	56625	17724	0	32273	340507	4074	0
K 5290	0	55680	60970	214	0	874	8258	5504	0
L 1247	0	36275	37522	0	0	105	105	124	0
TOT 5124	0	614993	614117	17938	0	331632	349570	27062	0
N 2210	54	5962	8226	0	0	0	0	0	1033687
X 1190	7	17894	19194	0	0	0	0	0	54
P 17433	0	2753	20186	0	0	0	0	0	5962
R 2800	0	1962	2962	0	0	0	0	0	8226
S 487	0	19973	20460	0	0	0	0	0	0
TOT 24120	61	46744	70925	0	0	0	0	0	0
GBW TOT 132390	61	1035941	1169392	82375	9281	474410	566066	214765	9342

ALLOCATIONS

REQUIREMENT	ORGANIC			CONTRACT			TOTAL		
	D	R.	A	TOT	D	R.	A	TOT	D
A 58090	0	165405	208495	57672	0	50197	107669	125762	0
B 26867	0	93407	36214	57672	0	790	790	26867	0
TOT 96957	0	149752	204703	57672	0	50987	108659	152629	0
C 108	0	657	765	0	0	4142	4142	108	0
D 1151	0	2459	3620	0	0	0	0	0	48177
TOT 1269	0	3116	4385	0	0	0	0	0	3620
E 173	0	81336	81509	5386	9281	39923	52584	5559	0
F 36	0	6011	6047	0	0	0	0	0	8547
TOT 209	0	87347	87555	5386	9281	39923	52584	5559	0
G 2695	0	14002	1662	1373	0	2227	24305	4074	0
H 8	0	1750	1758	0	0	0	0	0	1750
TOT 2703	0	15752	18455	1373	0	2227	24305	4074	0
I 2587	0	673678	476265	17723	0	262632	260353	20310	0
K 5290	0	46236	51526	214	0	6933	7117	5504	0
L 1246	0	28743	29963	0	0	75	75	1246	0
TOT 9123	0	548657	557780	1793	0	260658	28745	27060	0
M 2214	54	4632	6096	0	0	0	0	0	818262
N 1190	7	14278	15375	0	0	0	0	0	6896
P 17433	0	2651	20684	0	0	0	0	0	42761
R 2800	0	141	2041	0	0	0	0	0	15475
S 487	0	16274	16761	0	0	0	0	0	2651
TOT 24120	61	37976	62157	0	0	0	0	0	20084
GBW TOT 132381	61	84250	975042	8234	9281	38580	47756	214755	9342

APPENDIX I  
REPORT 6  
DPEM REQUIREMENT  
ALLOCATION SUMMARY BY TOTAL OF ELEMENT  
OF EXPENSE IDENTIFICATION CODE

DPEM REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

	ACT	MISS	ENG	OMF	FCH	A/R/M	TOTL	1
○	78 AFR R 0	0	2742	0	21834	0	24576	
○	C 0	0	1804	0	12427	0	1251	
○	D 0	2152	0	0	0	229	2381	
○	C 7635	0	0	67	3214	0	10916	
○	A 0	0	0	0	0	0	0	
○	C 0	0	0	0	0	0	0	
○	TOT 0	2152	0	2742	0	21834	229	26957
○	C 7635	0	1804	67	15641	0	25147	

DPEM REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

	ACT	MISS	ENG	OMEI	EXCH	A/R/M	TOTL	2
78 ANG	0	0	13462	0	46473	0	50935	
C	0	0	3614	0	22185	0	25799	
D	0	12719	0	1262	0	1324	16305	
C	14426	0	0	454	1785	0	16665	
A	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	
O	101 0	12719	0	13462	1262	46473	1324	75240
C	14426	0	3614	454	23970	0	42464	

## DPEM REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

	ACT	STG	EMG	MEM	EXCH	A/R/M	TOTL	3
78 DA	0	0	0	0	0	0	0	0
R	0	0	0	0	0	0	0	0
C	0	0	38	0	0	0	0	38
D	0	0	0	2	183	20	205	
C	0	0	0	0	68	0	68	
A	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0
101	0	0	0	2	183	20	205	
C	0	0	38	0	68	0	106	

## DPEM REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

	ACFT	MISS	FNG	NAME	EXCH	A/R/M	TOTL	4
C	<b>78 HAF</b>	0	0	0	0	0	0	
R	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	
D	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	
A	<b>198481</b>	<b>3025</b>	<b>92596</b>	<b>20443</b>	<b>606203</b>	<b>21245</b>	<b>941993</b>	
C	<b>85473</b>	<b>16417</b>	<b>26991</b>	<b>20501</b>	<b>246797</b>	<b>0</b>	<b>396179</b>	
TOT	<b>0</b>	<b>198481</b>	<b>3025</b>	<b>92596</b>	<b>20443</b>	<b>606203</b>	<b>21245</b>	<b>941993</b>
C	<b>85473</b>	<b>16417</b>	<b>26991</b>	<b>20501</b>	<b>246797</b>	<b>0</b>	<b>396179</b>	

DFEM REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

	ACT	MISS	ENG	OMEI	EXCH	A/R/M	TOTL	b
R	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	
D	0	0	7596	2196	7162	128	17082	
E	306	0	7024	0	3601	0	10931	
A	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	
TOT	0	0	7596	2196	7162	128	17082	
E	306	0	7024	0	3601	0	10931	

DPEM REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

	A/C/F/T	MIS/S	E/M/G	O/M/E/I	E/X/C/H	A/R/M	T/O/L	6
R	78 MAC 0	0	12321	0	59553	0	71874	
C	0	0	652	0	31175	0	31827	
D	0	43553	0	0	105	231	43889	
C	15236	0	0	0	0	0	15236	
A	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	
TOT	0	43553	0	12321	0	59658	231	116763
C	15236	0	652	0	31175	0	47063	

## DPFM REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

	ACT	MISS	FNG	OMFG	EXCH	A/R/M	TOTL	7
② 78 MAP	0	0	0	0	0	0	0	
R	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	
D	0	0	0	4	0	84	88	
C	534	0	0	0	14	0	548	
A	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	
TOT	0	0	0	4	0	84	88	
C	534	0	0	0	14	0	548	

EXPENSE REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

	ACT	MISS	FNG	NMF	FXCH	A/R/M	TOTL	8
R SYS	0	0	1607	0	7533	0	0140	
C	0	0	1210	0	4703	0	5913	
D 0	5351	1078	0	0	245	1042	7716	
C	1622	0	0	371	968	0	2961	
A 0	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	
I 01 0	5351	1078	1607	0	7778	1042	16856	
C	1622	0	1210	371	5671	0	8874	

DPEM REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

	ACFT	MISS	ENG	OMEI	FCH	A/B/M	TOTL	9
R	780TH	0	0	0	0	43	43	
C	87	0	287	0	0	0	374	
D	842	299	0	2	1677	19686	22506	
C	1643	0	0	38	1502	0	3183	
A	0	0	0	0	0	0	0	
C	0	0	0	0	0	0	0	
TOT	0	842	299	0	2	1677	19729	22549
C	1730	0	287	38	1502	0	3557	

DPEM REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

	ACFT	MISS	FNG	OMEI	EXCH	A/R/M	TOTL	10
78 101	P 0	0	30152	0	135393	43	16568	
C 87	0	7605	0	70490	0	78182		
D 0 64617	1377	7596	3466	9372	22744	109172		
C 41402	0	7024	930	11152	0	60508		
A 0 198481	3025	92596	20443	606203	21245	941993		
C 85473	16417	20991	20501	246797	0	396179		
TOT 0 263098	4402	130324	23909	750968	44032	1216753		
C 126962	16417	41620	21431	328439	0	534869		

### GLOSSARY OF TERMS

A	Direct Air Forces
A/B/M	Area Base Manufacture
AFR	Air Force Reserve
ALL \$	Allocated Dollars
ANG	Air National Guard
C	Contract
CUS	Customer
D	Direct Cite
DA	Department of the Army
DAF	Department of the Air Force
DC	Department of Commerce
DN	Department of the Navy
EFI	Element of Expense Identification
EEIC	Element of Expense Identification Code
ENG	Engines
EXCH	Exchangeables
FSC	Federal Stock Class
FY	Fiscal Year
KS	Logistic Subprogram Code
MAC	Military Airlift Command
MAP	Military Assistance Program
MD	Model Design
MDS	Model Design Series
MISS	Missile
MISTR	Management Items Subject to Repair
MODALC.	Summary by Manager. Report #4.
MODALL.	Process comparing requirements to dollar available and dollars are assigned in order of priority of weapon systems.
MODEXT.	Extraction of data from DPEM data base
MODMDS.	Process making common items and identifying them to "peculiar" weapon systems
MODPCS	Time sharing interface allows percentage choice of budget parameters for allocating DPEM funding.
MODPCT	Time sharing interface allows choice of budget parameter for allocating DPEM funding
MODREQ.	Summary by Customer. Report #5.
MODSUM.	Summary by Model Design. Report #1.
MODTOT.	Summary by total of element of Expense Identification Code. Report #6.
MODWBS	Process that merges two streams of "peculiar" data
MODPRI.	Summary by priority. Report #3.
MOD500.	Summary of items over \$500,000. Report #2.
O	Organic
OTH	All others

O/C	Organic/Contract, work types
PC	Pseudo Code
R	Reimburseables
REQ \$	Requirement Dollars
RGC	Repair Group Category
SYS	Air Force Systems Command
WBS	Workload Breakdown Structure
WM ALL \$	Cummulative allocated dollars
WM REQ	Cummulative requirement dollars

### LOGISTICS PSEUDO CODES

The Logistics Pseudo Code (PC) is a four-character alphabetical code used to identify a particular line entry within the automated Program Management System (K011A) and the DPEM program.

Oklahoma City Air Logistics Center	(OC-ALC)	DAAA-DZZZ
Ogden Air Logistics Center	(OO-ALC)	EAAA-EZZZ
San Antonio Air Logistics Center	(SA-ALC)	FAAA-FZZZ
Sacramento Air Logistics Center	(SM-ALC)	HAAA-HZZZ
Warner Robins Air Logistics Center	(WR-ALC)	JAAA-JZZZ
Aerospace Guidance and Metrology Center	(AGMC)	RAAA-RZZZ

From a Headquarters AFLC viewpoint, the first letter denotes the ALC, and the last three letters, AAA to ZZZ, are internally assigned and controlled by the ALC.

REPAIR GROUP CATEGORY

A Repair Group Category (RGC) is a one-digit alpha or numeric character that identifies the system(s) Federal Stock Class (FSC) or program for which a maintenance workload may exist and against which an expenditure of manhours may be charged.

- A = Aircraft - Programmed
- B = Aircraft - Non-Programmed
- C = Missile - Programmed
- D = Missile - Non-Programmed
- E = Engines - Programmed
- F = Engines - Non-Programmed
- G = Other Major End Items (OMEI) - Programmed
- H = OMEI - Non-Programmed
- J = MISTR (Organic/Contract)
- K = Negotiated Project Directive (Non-MISTR)
- L = Exchangeable - Non-Programmed
- M = Area Support - Organic only
- N = Base Support - Organic only
- P = Manufacture - Air Force Stock Fund - AFSF
- R = Manufacture - Non-AFSF
- S = Special - Organic only
- W = D/M Overhead - Organic only
  
- 1 = Aircraft Storage
- 3 = Detachment #41, Vandenberg

5 = PME Calibration

7 = AFLC Contract Base Maintenance

8 = Contract Service Engineering

9 = Preparation of Reproducible Copy of Data

## WORKLOAD BREAKDOWN STRUCTURE

The Workload Breakdown Structure (WBS) contains three (3) elements.

The first element (1st digit) is the major category codes that identifies one of seven major categories of weapons or equipment end items to which a workload may be assigned. (See 1, below)

The second element (2nd, 3rd and 4th digit) is a weapon or equipment end item defined as an instrument of combat or combat support employed in the accomplishment of a military mission. It consists of a final combination of assemblies, subassemblies, parts, and materiels which together perform a complete operational function and is ready for its intended use, i.e., vehicle, missile aircraft, ship, tank, communications system. (See 2, below)

The third element (5th digit) is the workload breakdown structure code used to provide further breakdown of the seven major categories of weapons or equipment end items for which requirements may generate. (See 3, below)

### 1. Major Category Code:

<u>Category</u>	<u>Code</u>
Aircraft	1xxxx
Missile	2xxxx
Ship	3xxxx
Vehicles	4xxxx
Electronics and Communications Systems	5xxxx
General Purpose Equipment	6xxxx
Ordnance Weapons and Munitions	7xxxx

### 2. Weapons or equipment end item specific codes used are as follows:

#### Aircraft

BCA = C131A	BFE = RF004C	BXZ = C007Z	DCX = C117X
BCB = C131B	FBB = F004D	BYA = C008	DDF = OH023F

BCD = C131D	BFG = F004E	BZA = HH053B	DEA = C054D
BCE = C131E	BFH = F004G	BZB = CH053C	DEB = HC054D
BCG = C131X	BFJ = F004J	BZC = HH053C	DEC = TC054D
BCH = VC131H	BHA = F102A	CFA = A001E	DEX = C054X
BCJ = T029A	BHB = TF102A	CGA = 0002A	DEZ = C054Z
BCK = VT029A	BJA = F111A	CQA = C009A	DFC = CH034C
BCL = VT029B	BJC = F111C	DAE = OH013E	DFD = UH034D
BCM = VT029B	BJD = F111D	DAG = OH013G	DFJ = UH034J
BCN = F004A	BJE = F111E	DAH = OH013H	DHA = C118A
BCP = VT029C	BJF = F-11F	DCA = C047	DHB = VC118A
BCR = T029D	BJG = RF111A	DCB = EC047Q	DHX = C118X
BCS = VT029D	BKA = F106A	DCC = EC047	DJC = C124C
BDB = UO10B	BKB = F106B	DCD = HC047	DKA = TB026
BDD = UO10B	BPA = UD17A	DCE = RC047	DKB = VB026B
BFA = F004A	BPB = J017B	DCF = TC047	DKK = B026K
BFB = F004B	BPC = U017C	DCG = VC047	DLA = EB066B
BFC = RF004B	BRA = FB111	DCH = C047X	DLB = RB066B
BFD = F004C	BXA = C007A	DCM = C117	DLC = EB066C
DLD = EB066D	FLA = C135A	GUC = F101C	LFR = EC121R
DLB = FB066E	FLB = EC135A	GUD = RF101C	LFX = C121X
DMA = C133A	FLC = RC135A	GUG = RF101G	LGA = C130A
DMB = C113B	FLD = RC135A	HGA = T034	LGB = DC130A
DUA = S-02D	FLE = C135B	HHA = CH047	LGC = WC130A

DVA = C010	FLF = WC135B	JCB = HH043B	LGD = AC130A
DZB = QU022B	FLG = EC135C	JCF = HH043F	LGE = RC130A
ECJ = F089J	FLH = RC135C	JHA = C141	LGH = C130B
EVA = OV10A	FLJ = RC135M	KCA = RB057A	LGJ = WC130B
FEA = B047B	FXA = F015	KCB = B057B	LGL = C130D
FEB = TB047B	GAB = UH001B	KCC = B057C	LGN = C130E
FED = B047E	GAD = UH001D	KCD = EB057D	LGP = DC130E
FEE = RB047E	GAE = TH001F	KCE = B057E	LGR = WC130E
FEG = WB047E	GAF = UH001F	KCF = B057G	LGS = HC130H
FEH = RB047H	GAH = UH001H	KCH = RB057F	LGT = HC130N
FFD = WB050D	GAN = UH001N	LCA = T033A	LGX = C130X
FGA = B052A	GBA = HU016A	LCB = DT033A	LGY = C130Y
FGB = F052B	GBT = HU016B	LCC = RT033A	LHA = C005A
FGC = B052C	GCA = C142	LCX = T033X	LJA = VC006A
FGD = B052D	GEA = U006	LGY = QT033X	LKA = QF104
FGE = B052E	GJA = CH021A	LFA = C121A	LKB = F104A
FGF = B052F	GJB = CH021B	LFB = C121C	LKC = F104B
FGG = B052G	GJC = HH021B	LFC = RC121C	LKD = F104C
FGH = B052H	GMA = U007	LFD = EC121D	LKE = F104D
FHC = C097L	GNA = U004A	LFF = EC121T	LKF = F104G
FHD = C097D	GPA = A037	LFG = C121G	LKG = RF104G
FHG = KC097G	GUA = F101B	LFH = EC121H	LKH = TF104G
FHL = KC097L	GUB = RF101B	LFK = EC121K	MAD = A007D

MEG = T006G	RDA = C119C	TXA = T043	13A = AX
MFA = T028A	RDB = C119G	WDA = HH019A	14A = U001A
MFB = T028B	RDD = C119J	WDB = HH019B	15A = B045
MFD = T028D	RDE = AC119G	WDD = UH019D	16A = F008X
MJA = F086D	RDF = AC119K	XCA = VC137A	17A = T002X
MJB = F086F	RDX = C119K	XDA = C140	18A = P002X
MJC = RF086F	REB = C123B	XEA = T038A	19A = E003A
MJD = F086F	REJ = C123J	XFA = T039	20A = AU23A
MLA = F100A	REK = C123K	XFX = T039X	21A = AU24A
MLC = F100C	REY = C123Y	XHA = C046	22A = C00XX
MLD = F100D	SCE = 0001E	XJA = F005A	23A = EC747
MLF = F100F	SCF = 0001F	XJB = RF005A	24A = B1
MSA = F051	SEB = T037B	XJC = F005B	25A = C-11
NDA = F084F	SFA = U003A	XJE = F005E	26A = MH-15
NDB = RF084F	THB = CH003B	XXA = B058A	27A = F37A/T45
NEB = F105B	THC = CH003C	11A = T041A	28A = A7
NED = F105D	THE = CH003E	11D = T041D	888 = Other
NEF = F105F	THY = HH003Y	12B = A004B	999 = Common
NEG = F105G			

#### Missiles

ACD = CGM016D	AHG = LGM030G	JBA = AGM65A	22A = PGM043
ACE = CGM016E	ADA = 437/BURN	SBA = MQM013A	23A = BQM034A
ACF = HGM016F	BMA = WS96	SBB = CGM013B	23F = BQM034F

AEC = LGM025C	CEA = HGM025A	VEA = DSP	883 = Other
AHB = LGM030B	FBA = COM010A	21A = PGM017A	999 = Common
AHF = LGM030F	FBB = CIM010B		

Ship Systems

"333"

Vehicle Systems

"444"

Electronics & Communications Systems

CZA = 440L	ZJA = 474L	2BA = 427M	3KA = 490L
CPA = MCGS	ZKA = 404L	3AA = 439L	3LA = 493L
ELA = 441D	ZMA = 494L	3BA = 469L	3LB = ZS
XLA = 414L	ZNA = 492L	3CA = 484L	3LC = JA
XMA = 416P	ZRA = 407L	3DA = 484N	3LD = ZX
XNA = 418L	1AA = 416L	3EA = 486L	3LE = ZE
ZAA = 496L	LBA = 416M	3FA = 487L	3LF = ZU
ZBA = 412L	1CA = 416O	3GA = 487M	3LG = ZV
ZEA = 433L	1DA = 474N	3HA = 488L	4AN = GPS-T2
ZFA = 465L	2AA = 425L	3JA = 489L	5AN = GPQ-76
ZGA = 466L			

General Support Systems

"666"

Ordnance Weapons and Munitions

"777"

3. Workload Breakdown Structure Codes:

I Aircraft

A = Airframe

II Missiles

A = Missile Frame

B = Engine	B = Msl Prop Sys/Comp
C = A/C Acc/Comp	C = Msl Acc/Comp
D = A/C Electr/Comm	D = Msl Supp & Launch
E = A/C Armament	E = Msl Guid Sys/Comp
F = A/C Supp Equip	F = Msl Grd Comm/Cent
G = A/C Other	G = Msl Other
<u>III Ships</u>	<u>IV Vehicles</u>
Constant 3333X ships	Constant 4444X vehicles
<u>V Electronic &amp; Communications Systems</u>	
A = Sta Sys/Comp	
B = Mobile Sys/Comp	
C = Port Sys/Comp	
<u>VI General Purpose Equip</u>	
Constant 6666X General Purpose Equipment	
<u>VII Ordnance Weapons and Munitions</u>	
Constant 7777X	